

Adventurous Whispers of the Past (2012)

➤ *Don Juan de Marco*

Thrilling echoes of the past,
Smash in my dusty ears like electric thunderbolts
And picturesque scenes of heroic battles,
Coincide with the paths I have walked through these days

I will recount your fascinating lives and amazing adventures,
Along with your moments of glory and those of despair
Swapped away by the mortars of time itself,
Leaving only sandy footprints on my tropical island

Hail your long-gone past and colourful achievements,
Always admiring those difficult and glorious decisions
An unworldly link between you and me,
Forever a bond between my past and Aruba

Your steaming blood runs through my veins,
And my searching soul is inspired by your deeds
I will see this universe through your eyes,
And share those epic times with my beloved people

Even if your ways were taken thousands of moons ago,
And your world was invaded and swept away
They will not be lost, not now, not ever,
As they will live inside my soil and scientific soul

Separated by endless tracks of time,
Though united through our history,
Your adventurous whispers of the past will live on,
For many springs to come

Don Juan de Marco, respectfully glancing at your gracious bones...Feeling your sentiments and knowing your thoughts, becoming one until he understands your fears and pains, but also your victories and creations...Your stories will be told, and your flowers will never be lost in the wind...



Santa Cruz 35: Campaigns, Experiences & Impact

Drs. Raymundo A.C.F Dijkhoff

➤ 1. Introduction

- a. Campaigns
- b. Experiences
- c. Impact

➤ 2. Field Campaign 2001

- a. The “Report of Finding” (7-3-2001)
- b. The excavations
- c. Initial interpretations (descriptive & superficial)
- d. Diffusion of information

➤ 3. Field Campaign 2012

- a. Workplan
- b. The excavation and (unexpected) change of plans
- c. International cooperation
- d. Diffusion of information – impact on Aruban and international public

➤ 4. Field Campaign 2016

- a. Lecture NAMA and Nexus 1492
- b. Workplan
- c. The excavation (international)
- d. Diffusion of information
- e. Rewriting history & future of site

➤ 5. Next Lectures

- a. Santa Cruz 35 Cemetery data and analyses results
- b. Santa Cruz 35 Cemetery in national and international contexts (archaeological and historic)
- c. Santa Cruz 35 Cemetery: The creation of a “Site of Conscience”



1. Introduction

➤ a. Campaigns



➤ b. Experiences



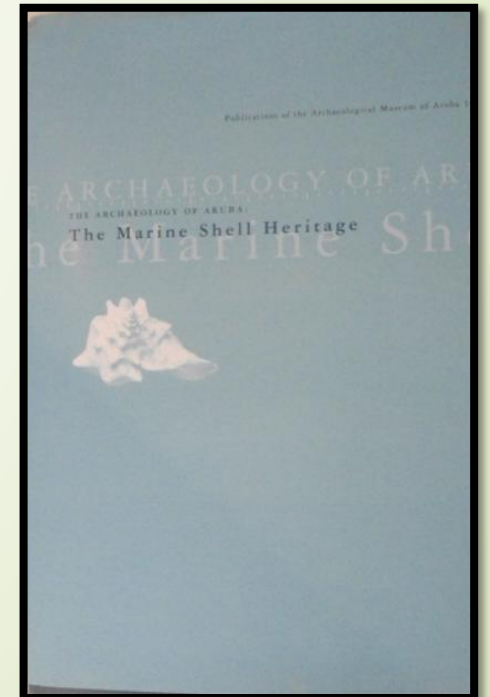
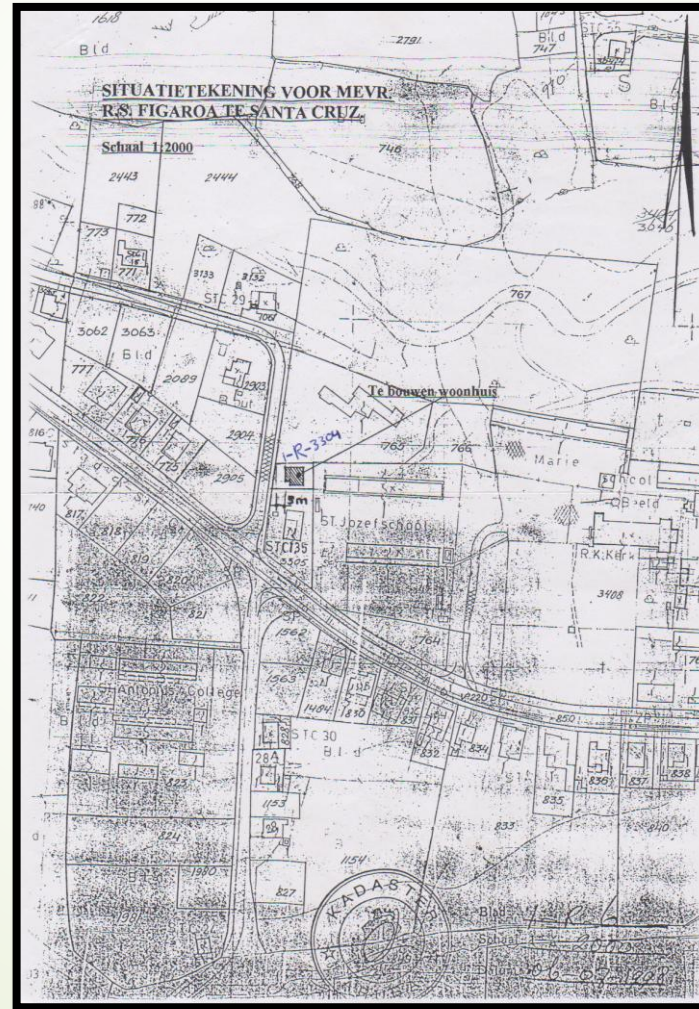
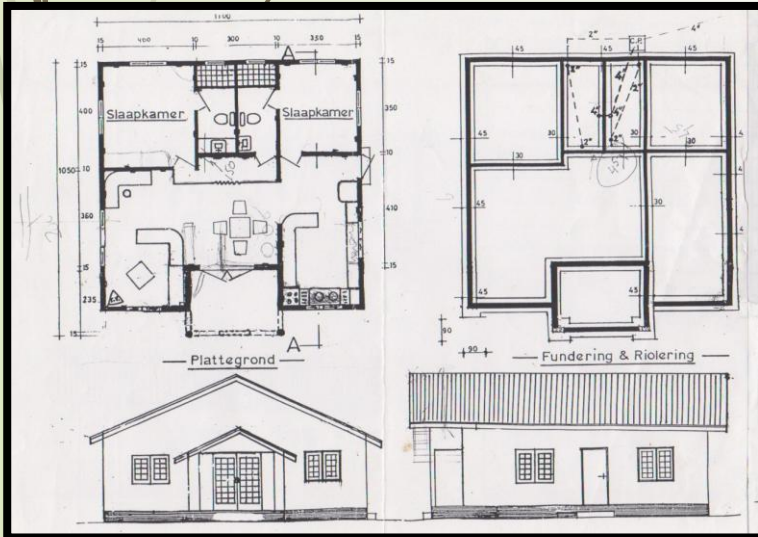
➤ c. Impact



2. Field Campaign 2001

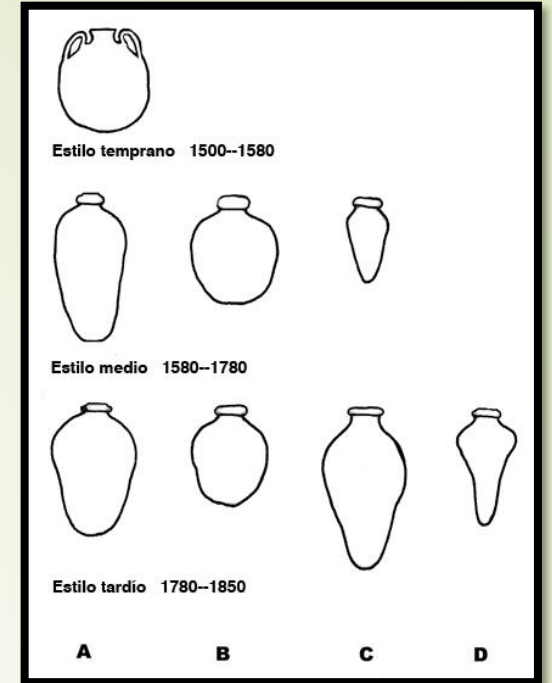
➤ a. The “Report of Finding” (7-3-2001)

- ❖ House construction family Figaroa
- ❖ Location of find
- ❖ International team



2. Field Campaign 2001

- ❖ First finds
- ❖ Salvage excavation intentions



2. Field Campaign 2001

➤ b. The excavations

❑ March 12 to 14: F1 & F6

❑ April 25 to 27: F7

❑ May 9 to 11: F11 & F12

❖ Workplan & campaign crew(s)

❖ Strategy and methodology (Terrestrial Archaeology)

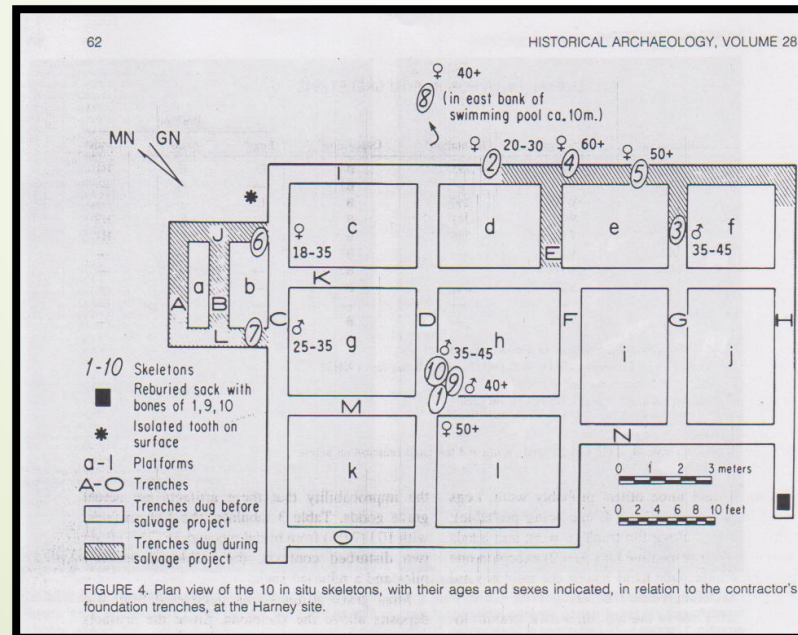
❖ Spiritual guidance (1)

DAVID R. WATTERS

Mortuary Patterns at the Harney Site Slave Cemetery, Montserrat, in Caribbean Perspective

ABSTRACT

Mortuary patterns discernible at the Harney site, despite its disturbed condition, include demographic, burial, and artifact information derived from 17 skeletons, 19 unmatched bones, 10 graves, and 134 artifacts. The cemetery dates to the late 18th century and provides data on the mortuary practices of enslaved persons in Montserrat at a time when sugar production dominated the economy of the British West Indies. A broader perspective on the mortuary patterns of enslaved populations within the Caribbean region is provided by comparable data from burial sites in two other British islands, Barbados and Jamaica, and a mainland South American colony, Dutch Guiana—now Suriname. Collaboration by avocational and professional archaeologists during the Harney site salvage project exemplifies the joint research efforts typical of many small islands in the eastern Caribbean.



Eerste opgravingscampagne 2001 te Santa Cruz 35

Aanwezige personen

AMA	Havana University	City University New York	LVV	Anderen
drs. Raymundo Dijkhoff	dr. Ramon Dacal Moure	drs. Marlene Linville M.A.	Drs. Byron Boekhoudt	Reynold Kerr
mr. Arminda Ruiz BSc				Raquel Figaroa A. Trimon
Francisco Croes				
Hiram Angela				

Eigenares: R. Figaroa (+ Anthony Trimon)

Werkzaamheden

1. Skelet
2. Hoogtemetingen
3. Puttekening
4. Profieltekeningen
5. Zeven
6. Putmetingen
7. Fotografie (foto's)
8. Supervisie
9. Dagrapport
10. Coördinaten (GPS/x-y)

Doel noodopgraving Sta. Cruz 35

Eén dag?

1. Documentatie "site", zonder opgraven
2. Skeletmateriaal verwijderen; alleen skelet opgraven

Verwachtingen

1. Kinderskelet op rug? (compleet/incomplete) met/zonder grafriten
2. Kinderskelet met ander skeletmateriaal
3. Kinderskelet met ander skeletmateriaal met grafriten

Normale begraving Ceramische Periode

1. In huis } paalgaten!!
2. Naast huis } paalgaten!!

- The Harney Site Slave Cemetery
 - Platforms
 - Trenches
 - Emphasis on Mortuary Behavior

❖ A window into the symbolic, social, and political lives of past people:

“its interpretation provides an opportunity to examine spiritual and secular meaning, as it contains elements of collective and individual identity, memory, tradition, ritual performance, and ideas about the afterlife, reason why in-field observations and documentation of the position of skeletal remains are key for its understanding”

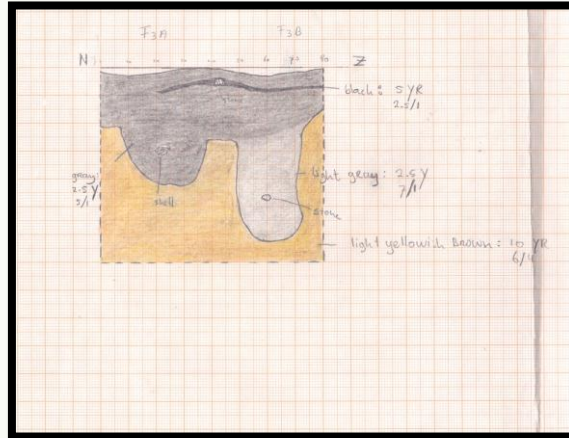
2. Field Campaign 2001

- ❖ The campaign crew(1)
- ❖ Reconnaissance, site evaluation, data recovery



2. Field Campaign 2001

- ❖ The campaign crew(2)
- ❖ Documentation
(horizontal, vertical and stratigraphy)



2. Field Campaign 2001

❖ Daily reports



Dag 1 (woensdag)

25-4-2001

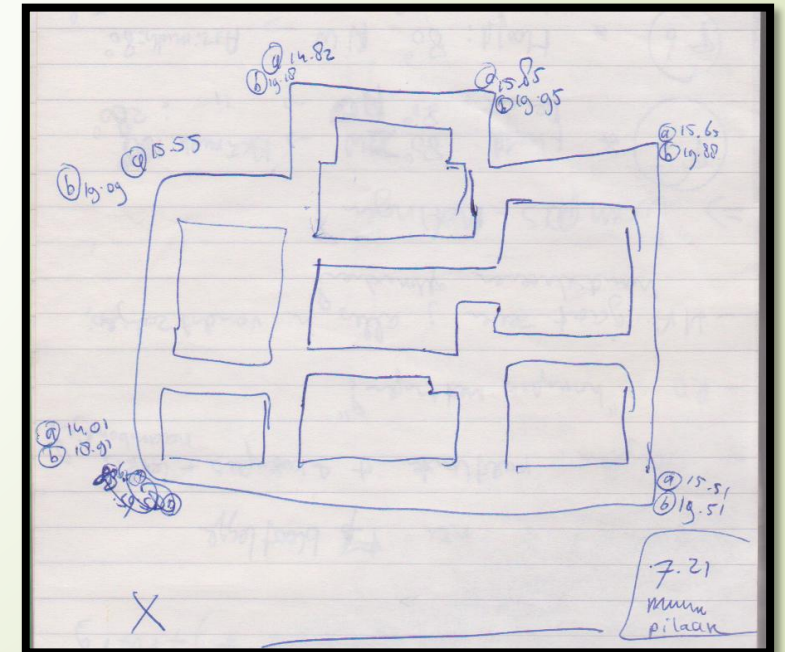
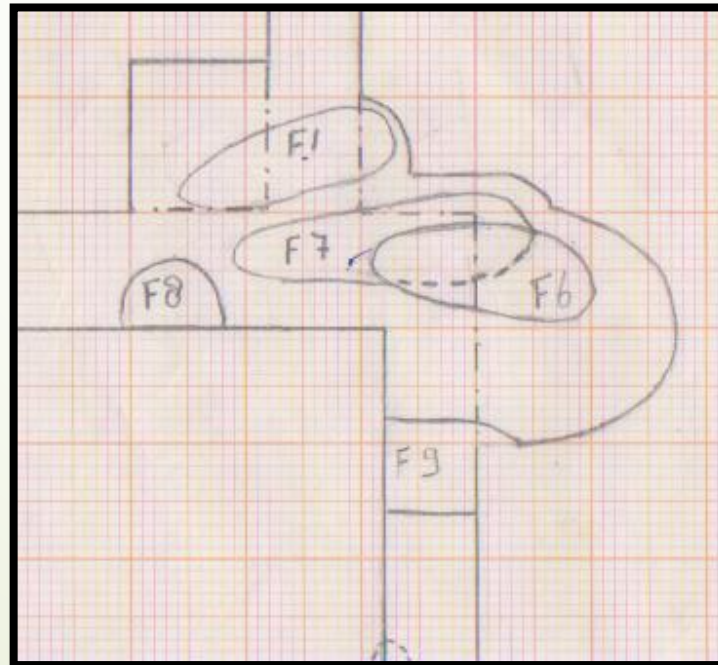
9.30 am

Aanwezig: RD, FC en HA

Weer: droog en redelijk bewolkt

Bezoek gehad van een aantal mensen (S. Dijkhoff-Everon, Raquel Figaroa, Mr. Rasmijn [FCCA]). In de middag kwam mevr. drs. Konings langs, net zoals 3 kinderen die in de buurt wonen.

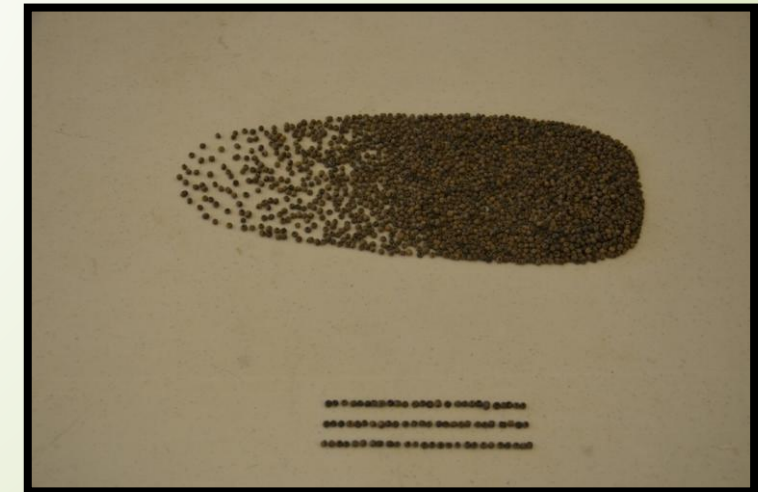
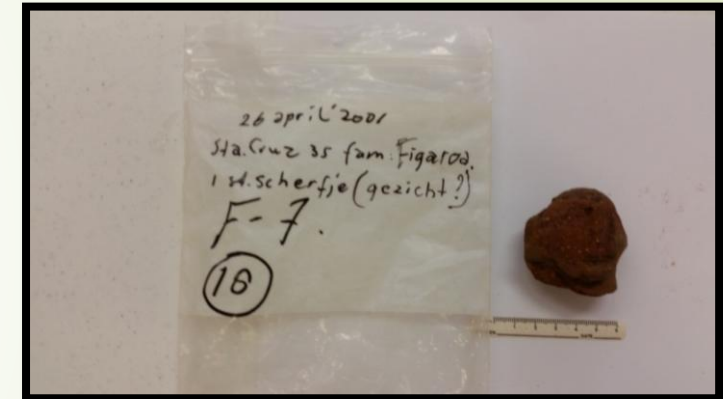
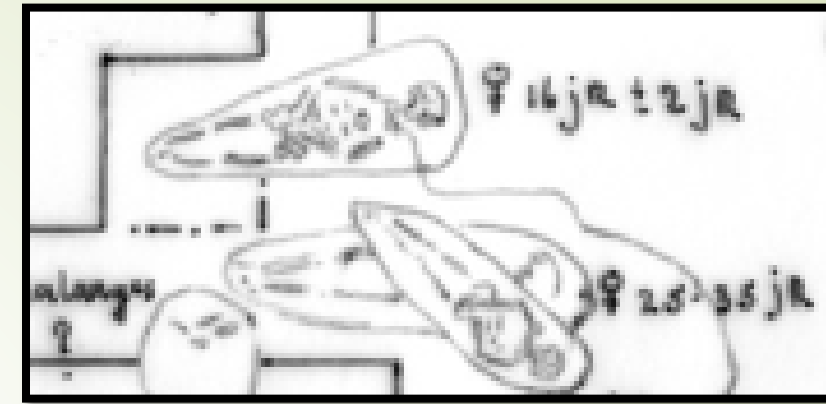
- ❑ FC maakt trench f en j schoon
- ❑ HA zet waterpas uit
- ❑ RD filmt alles
- ❑ Hierna doen RD en HA de hoogtemetingen van alle hoeken van de put/fundering, zowel van de bovengrond als de bodem



2. Field Campaign 2001

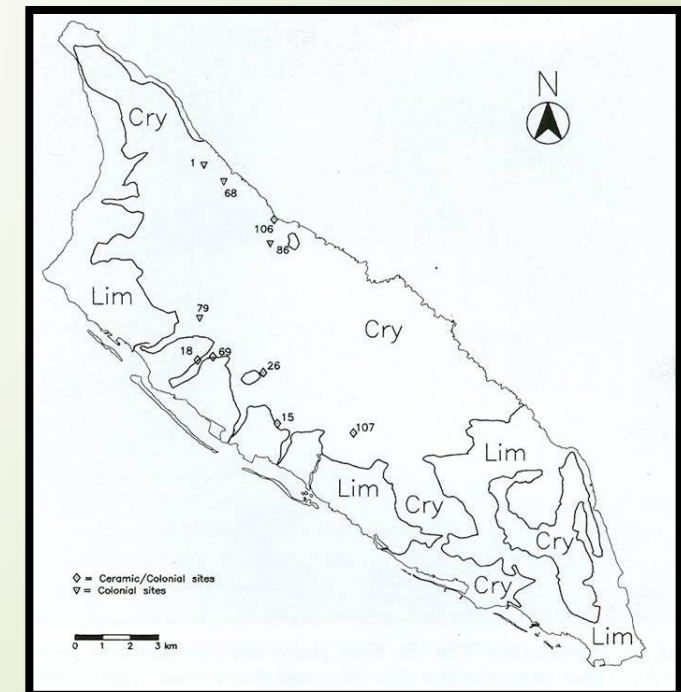
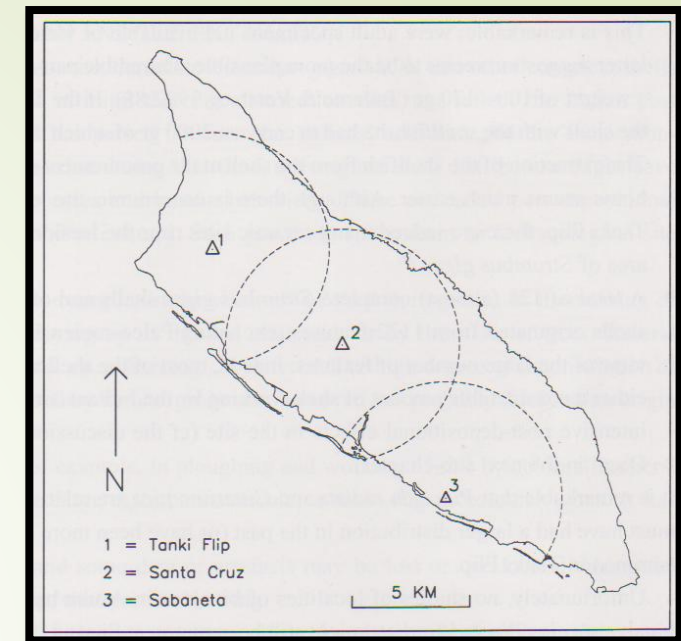
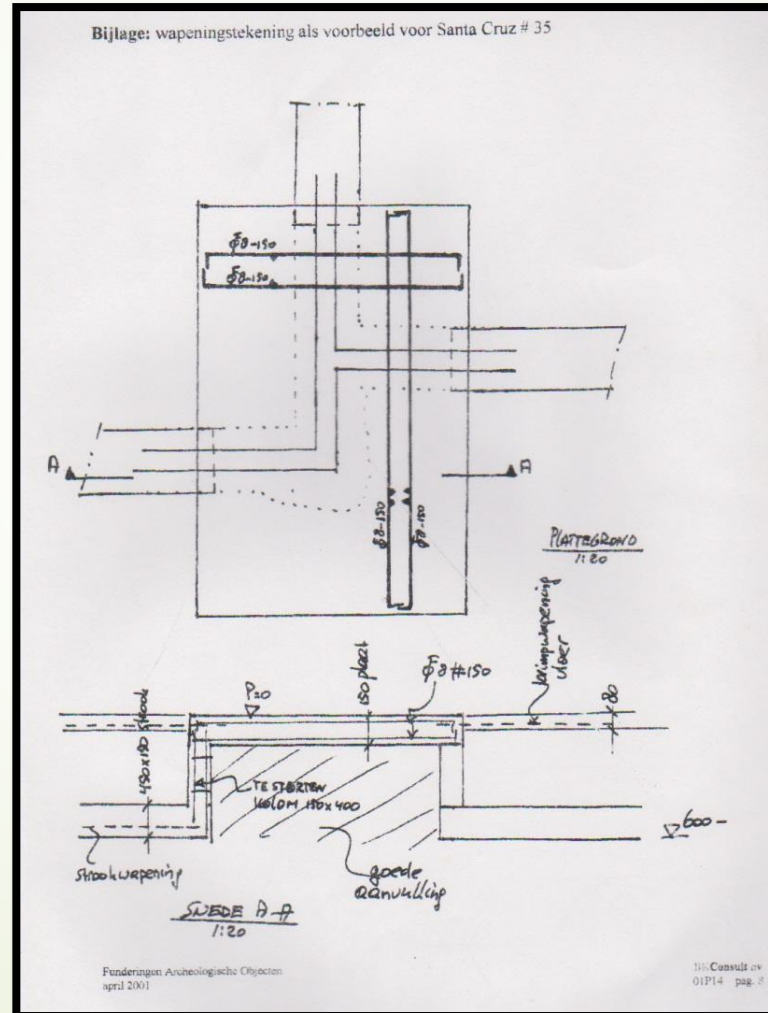


- ❖ Christian burials
- ❖ Community & Public Archaeology



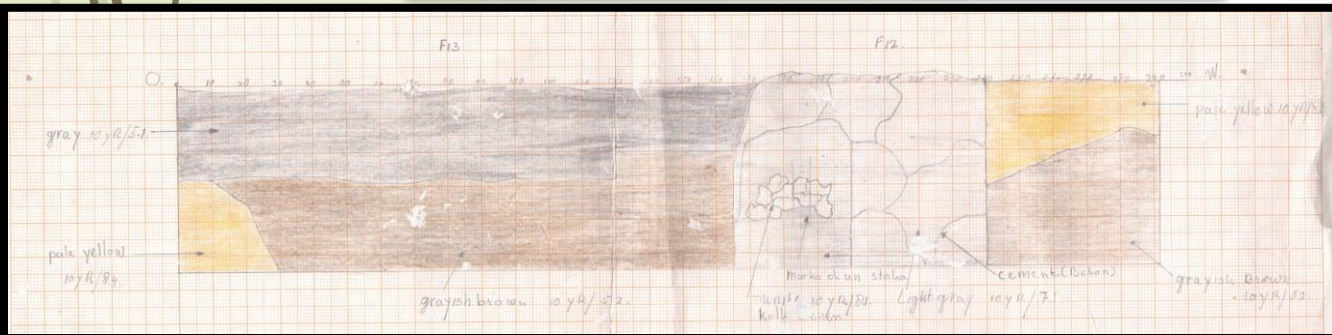
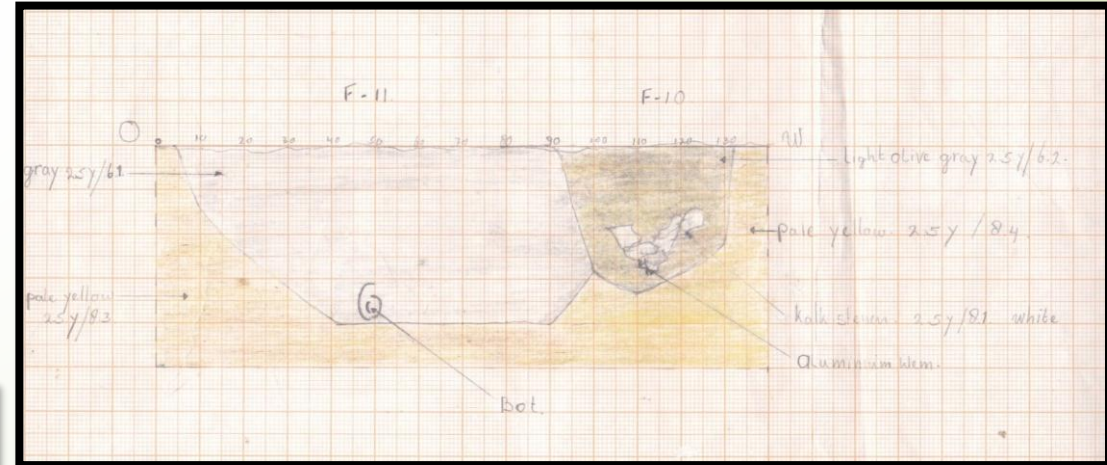
2. Field Campaign 2001

- c. Initial interpretations
(descriptive & superficial)
- ❖ Ceramic Period village Santa Cruz
- ❖ Historic Period activities – background data
- ❖ Christianity (Spanish & Dutch)
- ❖ Extreme measures of preservation efforts



2. Field Campaign 2001

❖ Spiritual guidance (2)



✦ Importance Aruban archaeology



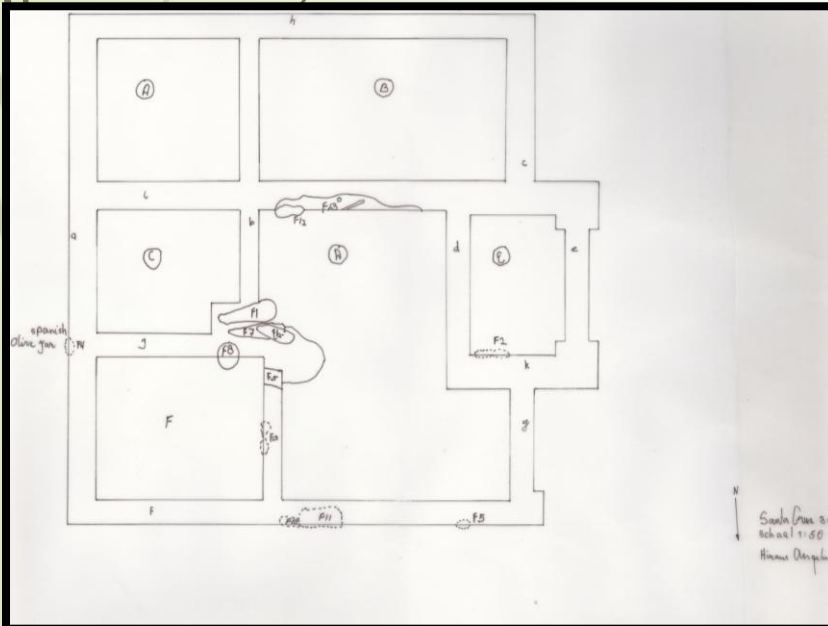
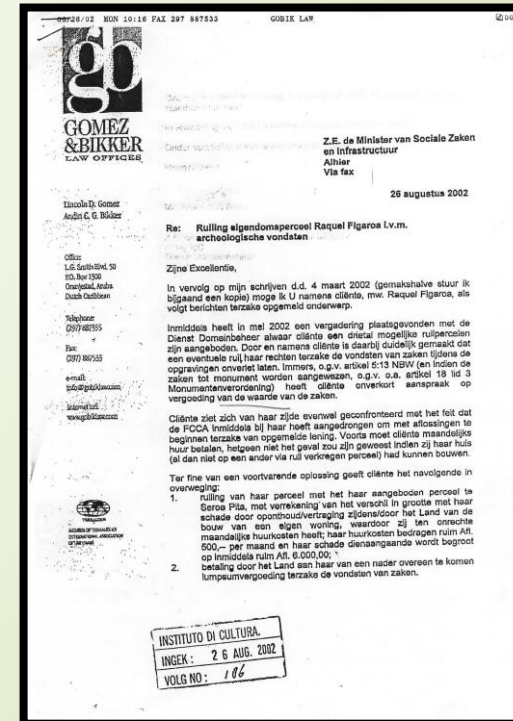
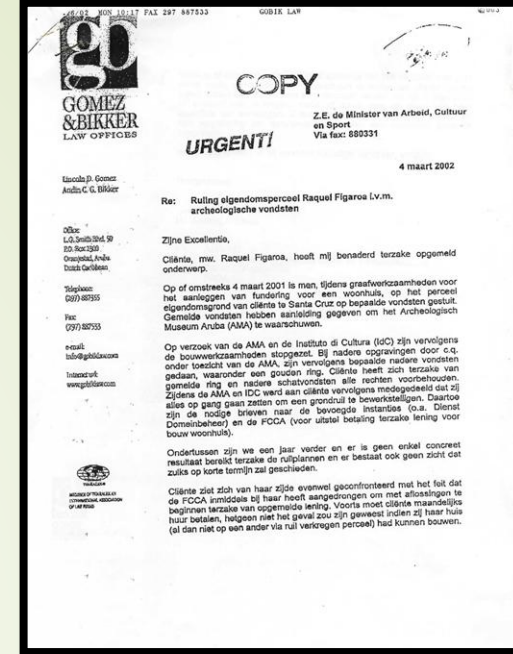
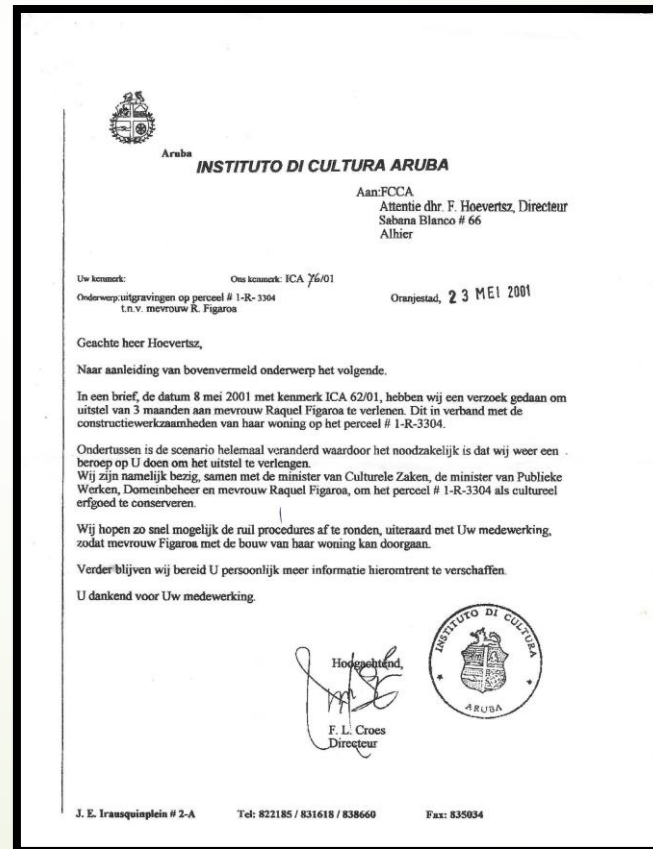
2. Field Campaign 2001

Field campaign period: March – June 2001

- Discovered graves: 7
- Excavated: graves: 3
- Individuals: 3 (4)
- Postholes: 3
- Funerary gifts and/or artefacts:

- 2 golden rings (one with 9 emeralds)
- 1 Spanish olive jar (sherds)
- Necklace and bracelet of glass beads (more than 2000; red, white and black)
- Transcultural or *colono ware* anthropomorphic *adorno*
- Concrete bricks
- Amerindian ceramics & shell

Future plans, failed change of terrains & claim



2. Field Campaign 2001

➤ d. Diffusion of information

- ❖ Press releases
- ❖ Congresses, lectures
- ❖ Publications

- ❖ Networking
- ❖ Community & Public Archaeology
- ❖ New Age Archaeology: psychic help

ARUBA SU HISTORIA

Hayazgo Arqueológico Descubri na Santa Cruz: Un Perla pa Historia di Aruba

dra. Raymundo A.C.F. Dijkhoff

Introduccion

Aña pasa mi a trata sitionan (lugarnan arqueologico) importante cu a hunga un rol significativo den historia di nos isla. E aña aki mi lo trata tambe e.o. actividadnan, artefactonan, aspectonan tecnologico, lasonan social y informacionan etno-historico di e Indionan di Aruba. Despues cu luna pasa a sali e articulo "Erroran Historico den Historia di Aruba", e luna aki mi lo trata un sitio cu a ser descubri na Maort di e aña aki na Santa Cruz cu a resulta di ta un di e hayazgonan arqueologico mas importante den historia di Aruba.




Fig. 2 - Excavando y documentando graf F7.

E Hayazgo

Diadomingo 4 di Maort 2001, durante cabamento di fundeshi un cas na Santa Cruz Fig. 1), un trahador a topa cu weso. Agera na promer instante cu tabata trata di weso di cacho, pero duna e interes arqueologico di sra. Raquel Figaroa, doña di tereno, a dicidi di pone Museo Arqueologico Aruba (MAA) e hallura di e hayazgo. Na nos yegada, a constata cu tabata trata di weso humano y a dicidi di haci un reconocimiento (survey) dicho tereno. A encontra rathronan di actividadnan humano cu cubri 1000 aña, esta cu nos a haya evidencia di un serie actividadnan humano di diferente periodo.

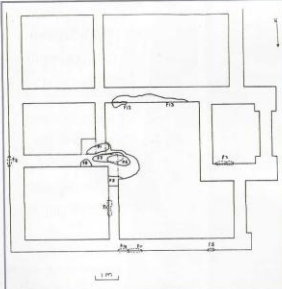


Fig. 1 - Mapa di e fundeshi di cas di sra. Figaroa: F1, F6, F7, F8, F9, F11 y F13 ta graf; F3 y F5 ta marcanan di staca; F12 ta un base di beton; F10 ta un buraco di desperdicio y na F4 a haya un paron.

Sebastiaan Knippenberg :
Netherlands, Leiden University
Flint collecting Strategies on Long Island

Antoine Chanceler :
France, Service Regional de l'Archéologie
Archéologie preventive en Guadeloupe. Nouvelles Données

André Delpuech, Corinne L. Hoffman and Menno L.P. Hoogland :
France, CNRS; Netherlands, Leiden University
Amerindian Settlements and archaeological Reality in the Lesser Antilles: the case of Grande-Terre, Guadeloupe

Questions for the speakers - Preguntas para los oradores - Questions pour les orateurs

10.00 a.m. - 10.30 a.m. Break / Pausa / Pause

10.30 a.m.
Symposium V (continued) Moderator: Kofi Agorsah

R. Dacal Moure and Francisco Croes :
Cuba, Direccion del Patrimonio Cultural
La Industria de la Concha en Aruba

Byron. B. Boekhoudt :
Aruba, Department of Agriculture, Husbandry and Fisheries
Today's Fishermen and Shellfish distribution: New Tools for Archaeology?

Marlene S. Linville :
U.S.A., GSUC/City University of New York
Marine Shell as Medium in Prehistoric Aruba

A.H. Versteeg :
Netherlands, Leiden University
Burials at the Santa Cruz Site in Aruba

Raymundo A.C.F. Dijkhoff :
Aruba, Archaeological Museum
Salvage Excavations and accidental archaeological Finds in Aruba: 1996-2001

Questions for the speakers - Preguntas para los oradores - Questions pour les orateurs

10:57 297-855639 DIR-LVBM 830267

Soil Test Report

Name: Raymundo A.C.F. Dijkhoff Date Sampled: _____
Sample No. _____ Date Tested: 5 juli 2002

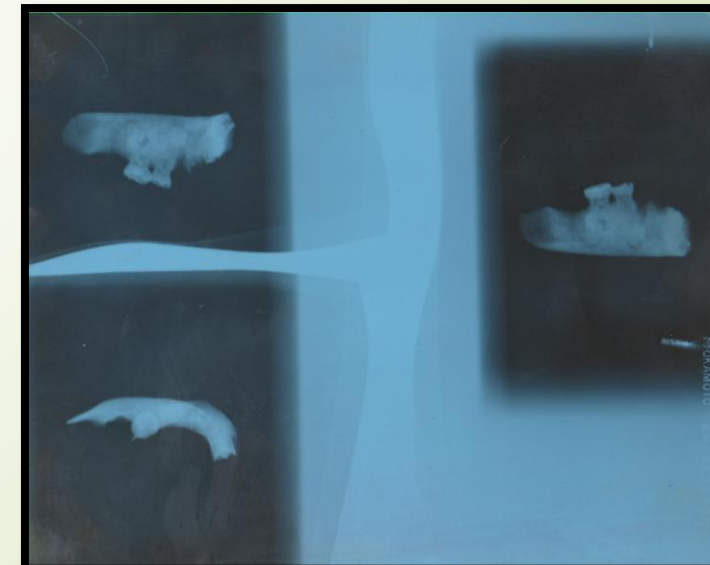
Description of Location and Topography _____

Texture _____ Color _____ Drainage _____
Past Management (Last Crop, Treatment, etc.) _____

	Results	Comments
pH		
Nitrate Nitrogen		
Phosphorus (PP233/P2O5)		
Potassium (KOKal.1# K2O)		
Humus		
Calcium		
Ammonia Nitrogen	1	8.0 0.45 160
Magnesium	2	0.3 0.31 100
Manganese	3	0.3 0.24 124
Aluminum	4	0.3 0.24 124
Nitrate Nitrogen	5	7.0 1.2 36 37.18
Potassium	6	0.7 0.17 100
Phosphorus	7	
Humus		
Calcium		
Chloride		
Sulfur		
Copper		
Iron		
Organic Matter		

Advice:

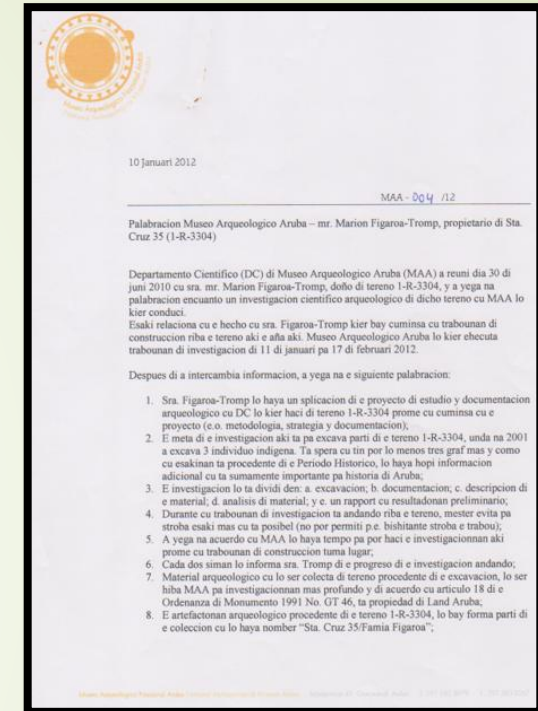
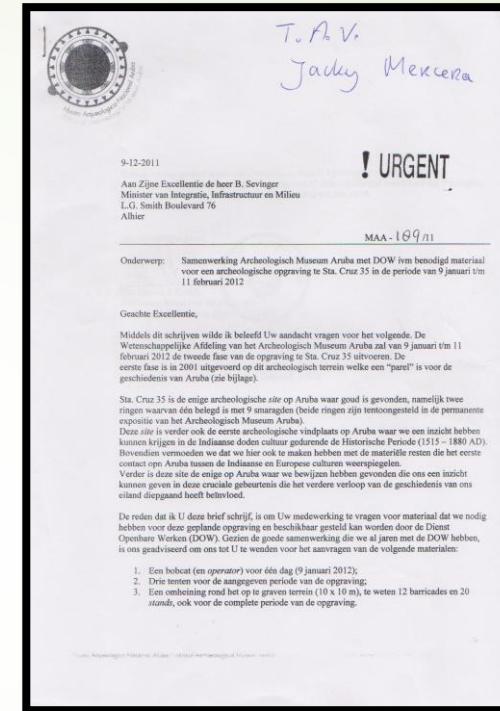
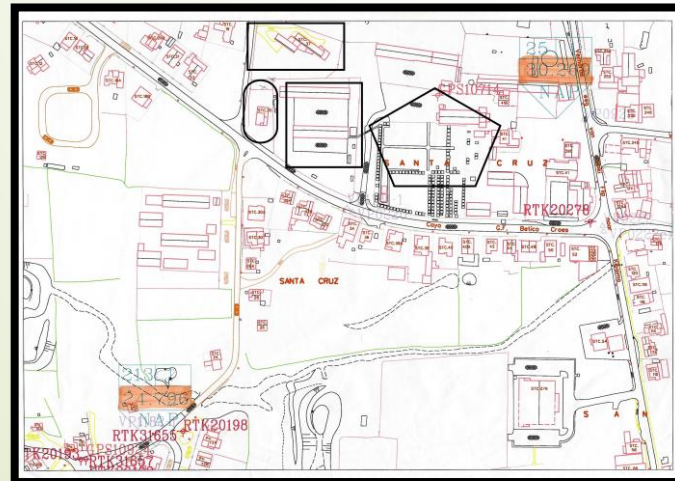
1. Dour, Sta Cruz 16E
2. Uirama
3. Banki Jerome.
4. H. de Bruijn 40
5. Isla
6. Figaroa, Sta Cruz 35
7. Quiero



3. Field Campaign 2012

➤ a. Workplan

- ❖ New owner terrain Santa Cruz 35
- ❖ Construction of parking lot
- ❖ Permit & agreements to excavate
- ❖ Logistics and network



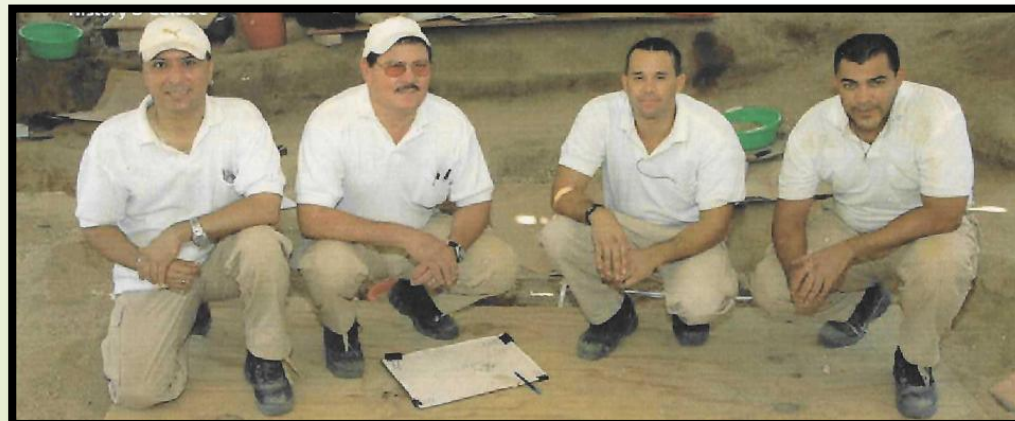
3. Field Campaign 2012

Lista di material pa escavacion.

Foto camera	: OK
Schrijfblok (dagboekje)	:
Pick <i>handed</i>	: <i>ok</i>
Shovels	: OK
Duimstok	:
Troffels	:
Sefta	: <i>ok</i>
Scheppen (handschep)	:
Trap	: OK
Compass	: OK
Punchera (plastic)	:
Plastic box	:
Plastic zakjes (groot en klein)	: OK
Scerr (corta rijst)	:
Liña (un boll)	: OK
Cuashi fini y grandi	:
Tripot	: OK
Waterpass instrument	: OK
Meetlint	: OK

Kruiwagen	: OK
Jalons	: OK
Baak	: OK
Tjapi	:
Statief	: OK
Ijzerpennen	:
Potlood	: OK
Pen	: OK
Gum	: OK
Markers	:
Millimeterpapier	:
Lona (tapol 3x di 8' x 10')	:
Schrijfblok	: OK
Tent	:
Toilet	:
Waterjug	: OK
Klipbord	:
Kleurenpotlood.	:
Munsull Soil Color Chart	: OK
Bloknood chikito. (nota)	: OK

- ❖ Workplan planned excavation
- ❖ Strategy & methodology
- ❖ Campaign crew



Opgravingscampagne 2012 te Santa Cruz 35

- Doel:** Het opgraven van een gedeelte van terrein 1-R-3304 waar in 2001 drie graven gedocumenteerd zijn waar 3 (Indiaanse?!) individuen begraven lagen. Het bleken graven te betreffen uit de Arubaans Historische Periode waar nagenoeg weinig substantieels van bekend was en is. Dit zeker in de context van de gevolgen van de interactie tussen de inheemse Arubaans Indiaanse bevolking(en) en de Europeanen (zowel Spaans als Nederlands) op de materiële cultuur en de dodencultuur in het bijzonder.
- Plan:** De verwachting is dat er tenminste 3 of 4 sporen die waarschijnlijk graven zijn, zich nog bevinden op dit terrein, maar niet opgegraven zijn in 2001. Dit zijn F8, F9, F11 en F13, inclusief het graf waar de gouden ring(en) vandaan komen (F13). Dit zal gedaan worden door de specifieke locaties van de sporen te localiseren en in putten van 2x1 of 2x2 m op te graven. Hetzelfde vast (meet)punt van 2001 zal gebruikt worden en de daghoogte zal zoveel mogelijk in het zuidelijk gedeelte van het terrein geplaatst worden (*zie schets terrein met afmetingen, gekozen x- en y-as, vast punt en locatie daghoogte*). Verwacht werd dat we zouden opgraven van 11 januari tot en met 11 februari (één maand).
- Strategie:** Het idee is om in fases te werken
- i. Fase 1: vinden van de minimaal 3 achtergelaten graven en deze opgraven en documenteren
 - ii. Fase 2: 5x10 m westelijk deel put "opengooien"
 - iii. Fase 3: als er tijd is, dan het resterende deel van fundering oostelijk deel ook "opengooien" (4x10 m)
- Reden:** In 2011 (Juli) werd ik door de (nieuwe) eigenaresse van Santa Cruz 35 geïnformeerd dat zij in de tweede helft van (2012 constructie werkzaamheden wil gaan verrichten (*zie schetsontwerp van de geplande constructie werkzaamheden op terrein 1-R-3304*). Dit betekent dat na 11 jaar de site bedreigd zal worden met destructie en om die reden is het uitermate belangrijk om zoveel mogelijk te documenteren en zeker nu een opgraving beter gepland kan worden
- Samenwerking:** Voor deze opgraving werd ons samenwerking verleend van de eigenaresse, wat het allerbelangrijkst was (zie overeenkomst AMA-mr. Marion Figaroa-Tromp). Daarnaast was het belangrijk om samenwerking te kunnen krijgen van de Dients Openbare Werken (DOW) om een aantal redenen. Ten eerste moet de bovenste laag zsm machinaal weggehaald (geeffend) worden, zonder daar veel mankracht aan te moeten besteden; hiervoor hadden we een zgn. "bobcat" (*operator*) nodig voor één dag. Ten tweede, om het voor de opgravers zo aangenaam mogelijk te maken (ivm

3. Field Campaign 2012

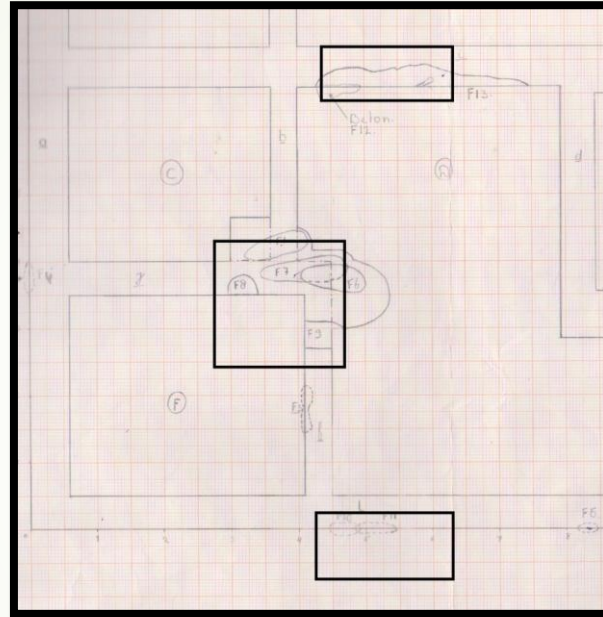
❖ Unexpected visitors



3. Field Campaign 2012

➤ b. The Excavation and (unexpected) change of plans (11 January – 13 August)

❖ Strategy & Methodology



3. Field Campaign 2012



❖ Locating F8, F9, F11 & F12/13



3. Field Campaign 2012



❖ Postholes



3. Field Campaign 2012

- ❖ First stages of excavating burials



3. Field Campaign 2012



3. Field Campaign 2012

- ❖ Sifting all soil removed from features



3. Field Campaign 2012

❖ Overview first month



3. Field Campaign 2012

❖ Finds

➤ F20



3. Field Campaign 2012



3. Field Campaign 2012

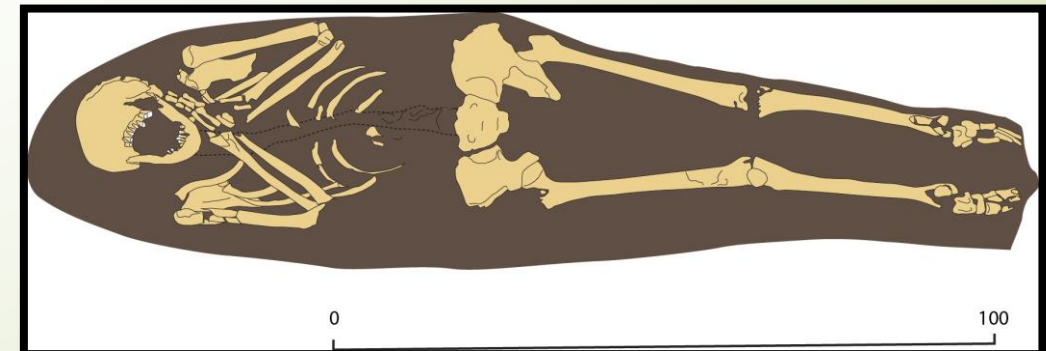
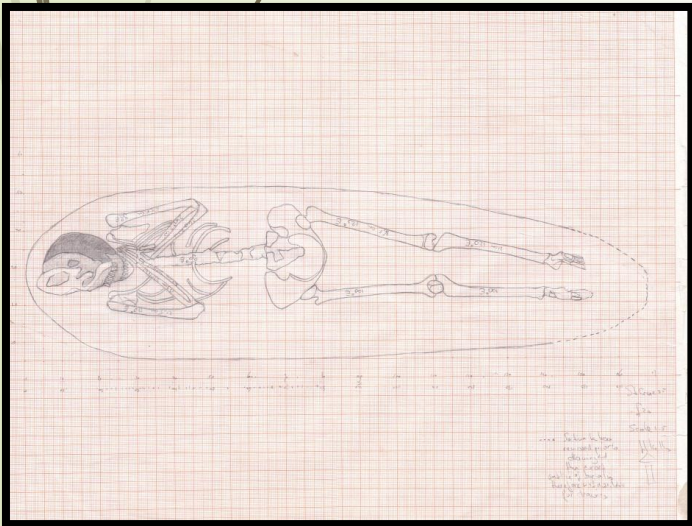
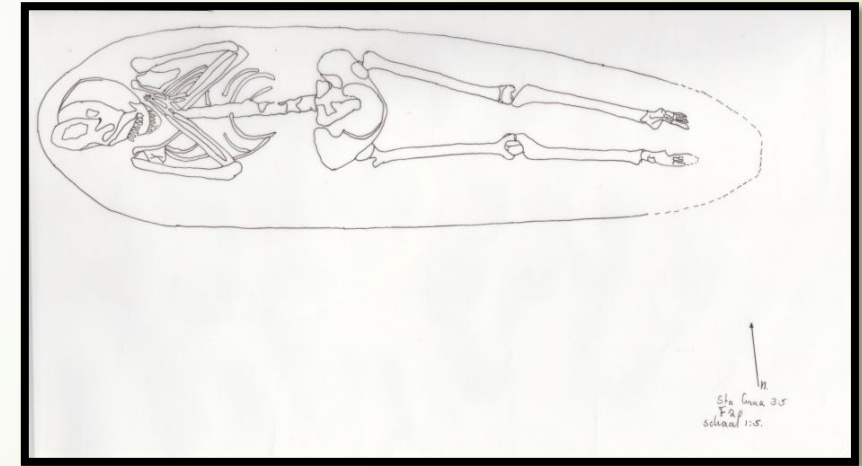


3. Field Campaign 2012



3. Field Campaign 2012

- ☐ Primary single burial
- ☐ Shroud
 - Christian burial tradition
 - Hands in praying position holding a Spanish real (1700's?)



3. Field Campaign 2012

➤ F12 & F13



3. Field Campaign 2012

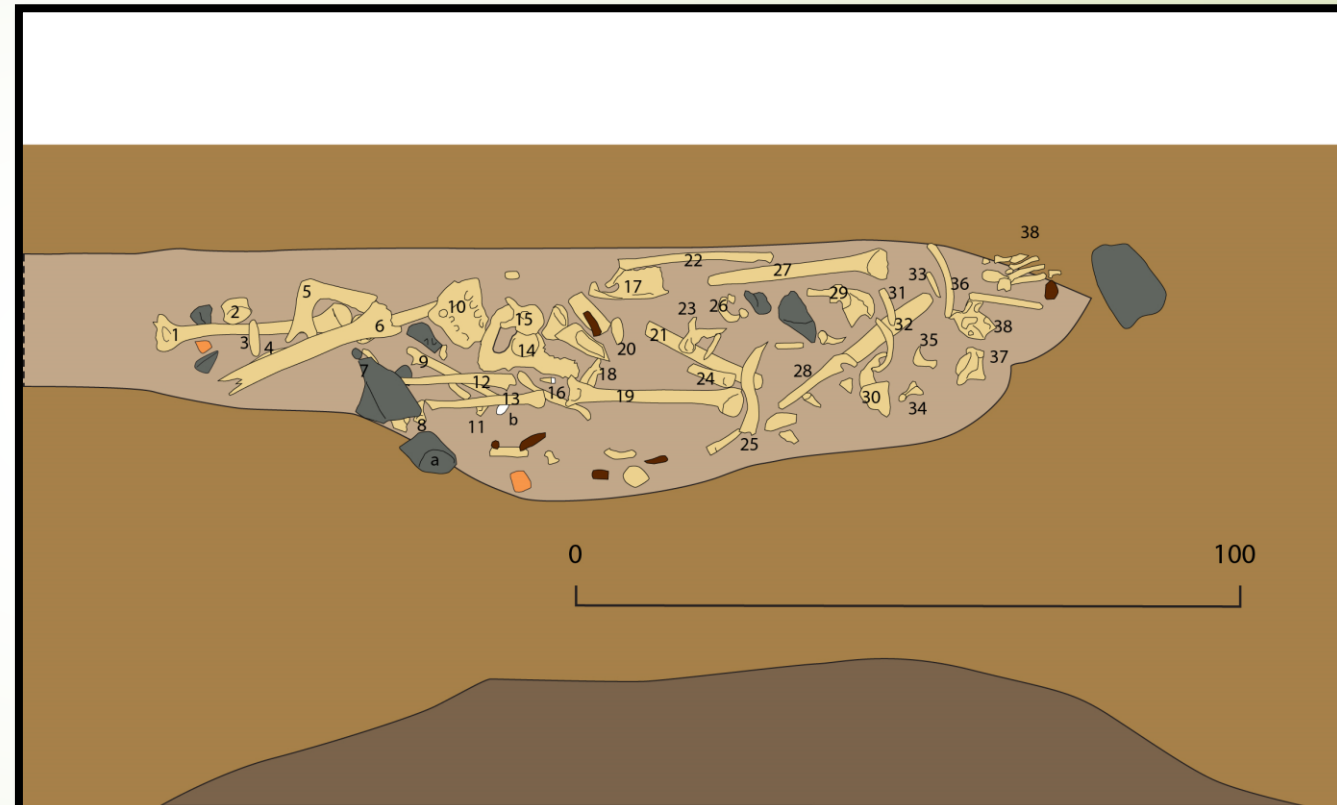
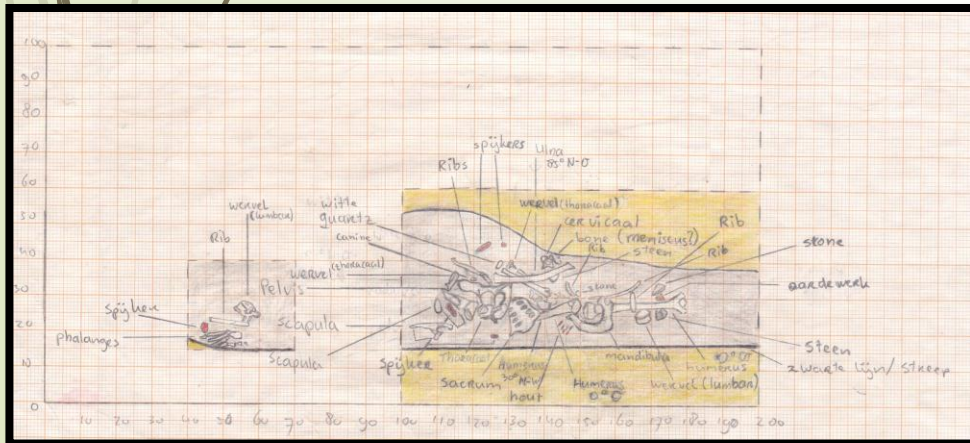


3. Field Campaign 2012



3. Field Campaign 2012

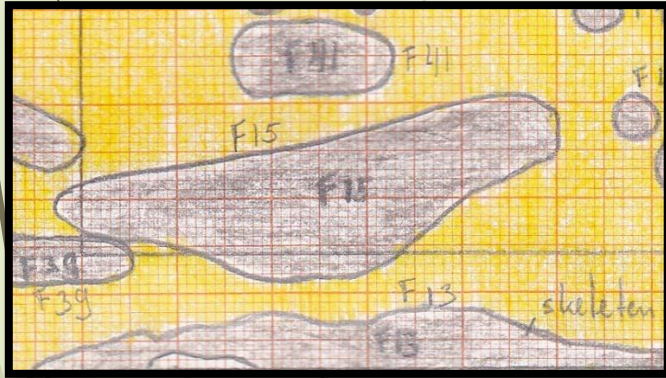
- ❑ Secondary burials
- Ossuary



- | | | | |
|---------------------------|-----------------------|-----------------------|-------------------------------|
| 1. humerus | 11. vertebra | 21. femur | 31. rib |
| 2. lumbar vertebra | 12. ulna | 22. radius | 32. femur |
| 3. rib | 13. ulna | 23. thoracic vertebra | 33. rib |
| 4. rib | 14. os coxae | 24. radius | 34. vertebra |
| 5. mandibular | 15. thoracic vertebra | 25. clavicular | 35. atlas |
| 6. humerus | 16. canine | 26. atlas | 36. rib |
| 7. rib | 17. scapula | 27. tibia | 37. cervical vertebra |
| 8. cervical vertebra | 18. thoracic vertebra | 28. ulna | 38. lumbar vertebra |
| 9. humerus | 19. humerus | 29. cranial fragment | 39. rib |
| 10. sacrum | 20. scapula | 30. scapula | 40. metacarpals and phalanges |
| a. diabase preform of axe | b. quartz | | |

3. Field Campaign 2012

➤ F15A & F15B, F39



3. Field Campaign 2012



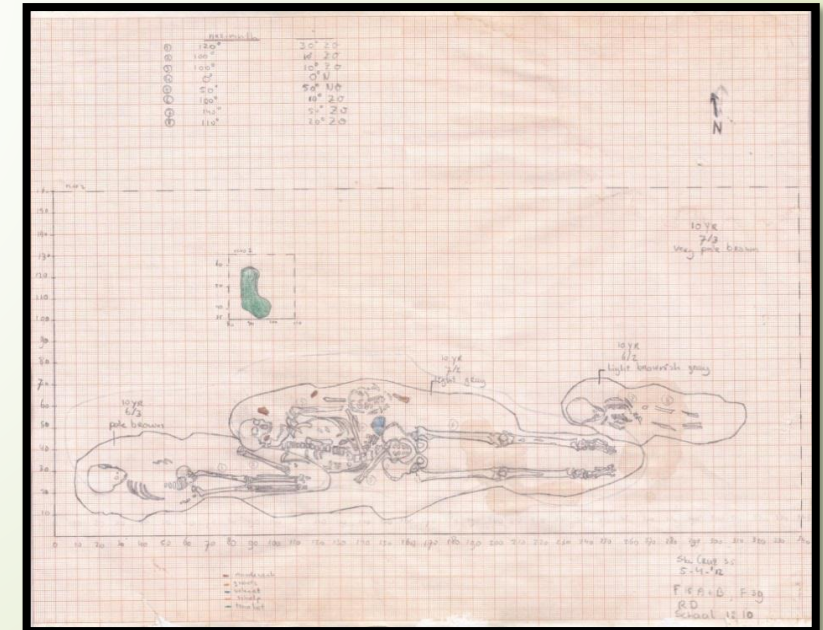
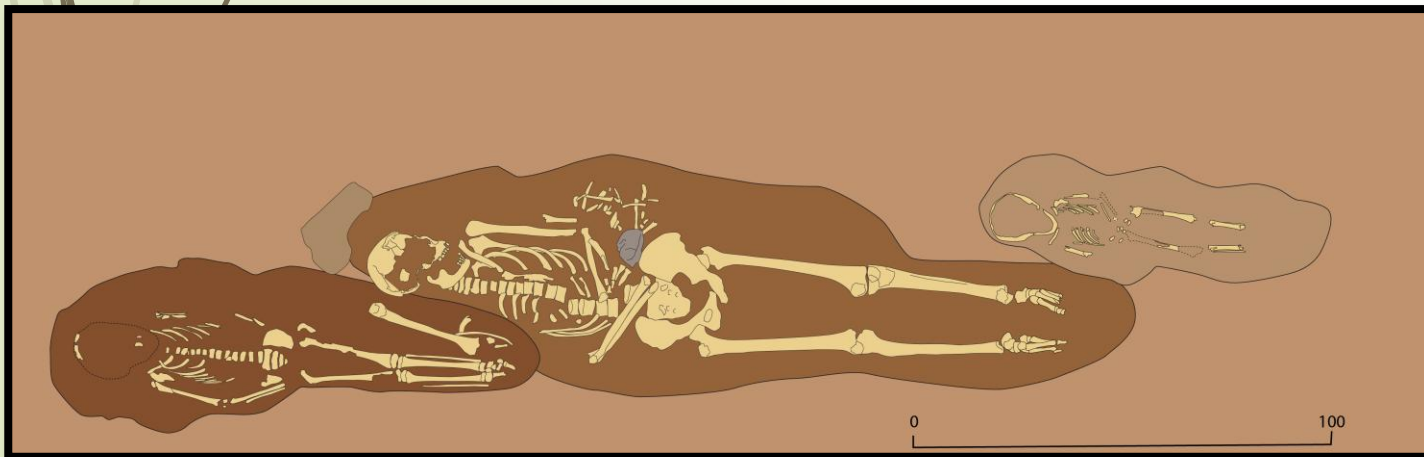
3. Field Campaign 2012



3. Field Campaign 2012



- ☐ Primary burial context with multiple individuals
- ☐ Shroud
 - Christian burial tradition
 - Hands on pelvis
 - Hands on abdomen and pelvis
 - Stone and ceramics



3. Field Campaign 2012

➤ F21

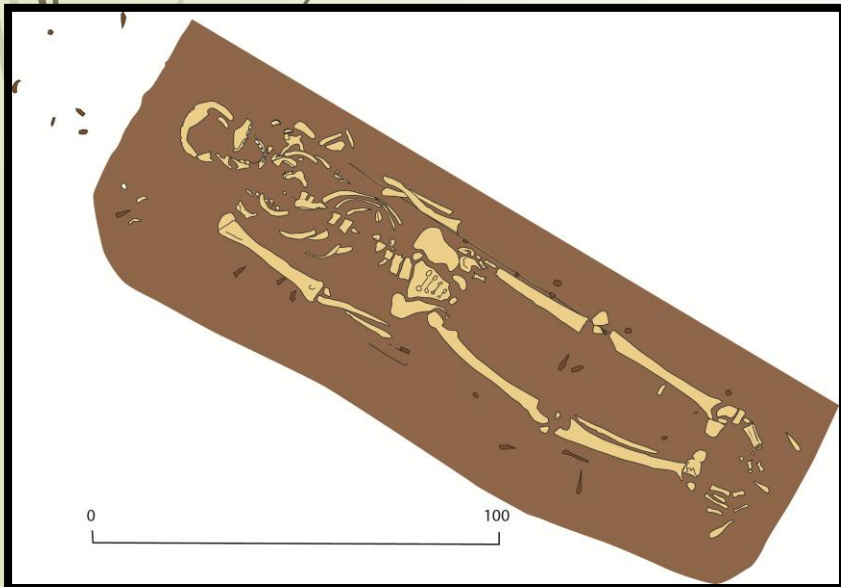
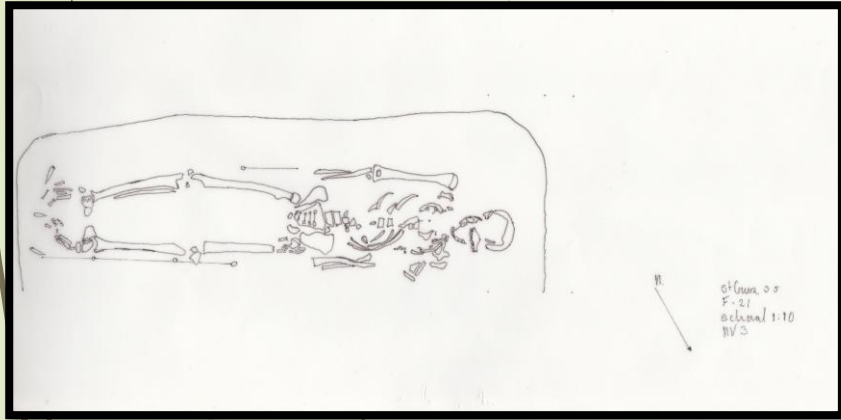


3. Field Campaign 2012



3. Field Campaign 2012

- ❑ Coffin burial
 - Christian burial tradition
 - Arms at sides
 - Real and coral
 - Crowding
 - Gnawing marks



3. Field Campaign 2012



❖ Dimensions of excavation



3. Field Campaign 2012



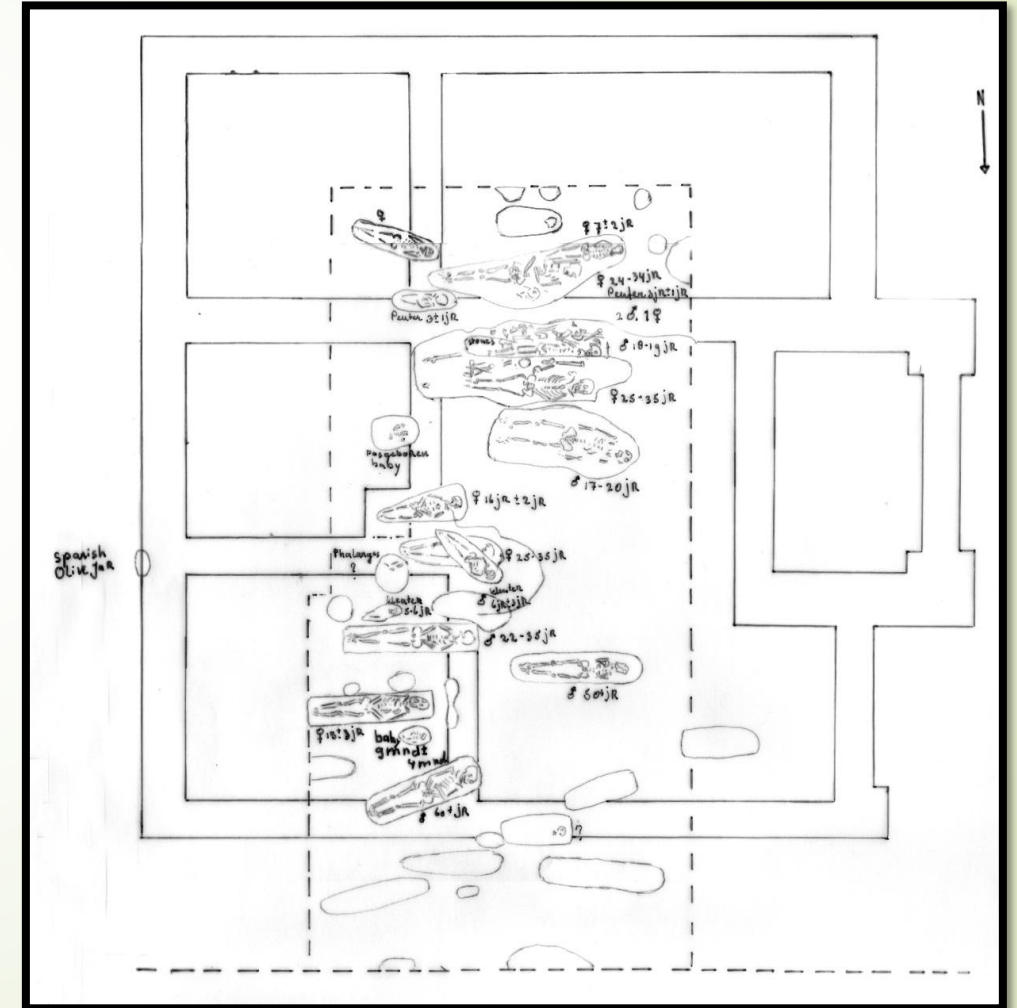
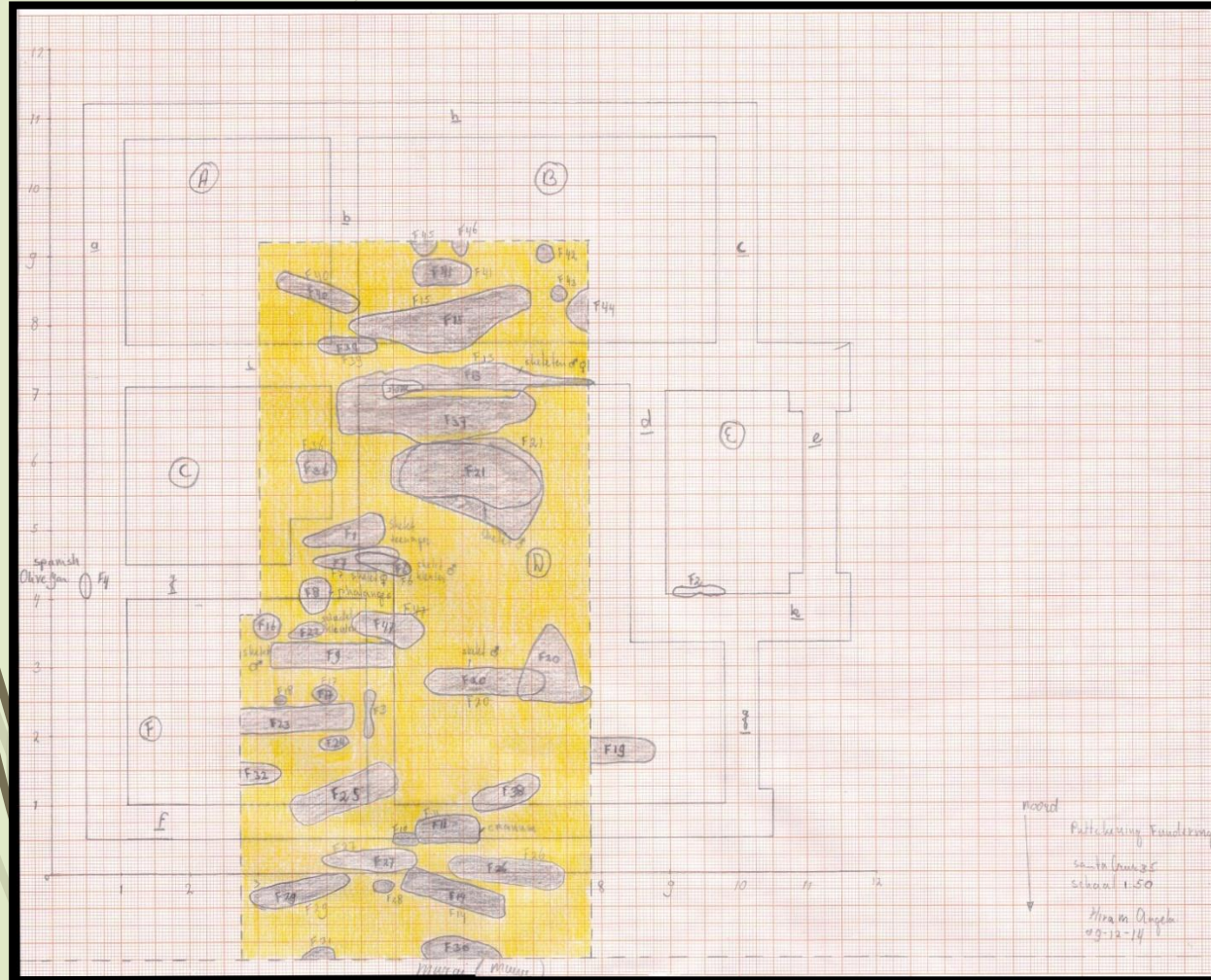
3. Field Campaign 2012

❖ Closure of excavation



3. Field Campaign 2012

- Excavated area of 50m²
- Features
- Excavated graves



3. Field Campaign 2012

❑ View on some tables Daily Reports

- Elevations F23 – F46
- Stature calculations F13 & F20
- Relations graves F1 – F24: primary/secondary, orientation, position hands, coffin, age, length and pathology

Hoogtemetingen sporen horizontaal in put 5x10 m

Spoornummer (F)	Hoogteligging (cm) Daghoogte I
23	173.50
24	173
25	181
26	180
27	167
28	169
29	168
30	181
31	180
32	171
33 (nog te doen)	XXX
34 (nog te doen)	XXX
35 (nog te doen)	XXX
36	177
Spoornummer (F)	Hoogteligging (cm) Daghoogte II
37	180
38	187
39	180
40	177
41	176
42	178
43	176
44	175
45	176
46	174

F13 Bot	Lengte	Mongoloid	White female	White man
Humerus I	28.50	159.57		
Humerus II	30.0	163.59		
Humerus III	28.50	159.57		
Humerus IV	28.50	159.75		
Humerus V	24.0	147.51	138.61	
Radius I	22.80	162.71	165.83	
Ulna I	23.50	159.23	158.11	
Ulna II	23.80	160.27		
Femur I	37.40	152.98	146.48	152.30
Femur II	42.10	163.91		
Tibia I	34.70	164.38		
Tibia II	34.50	163.91		

F20 ♂ Bot	Lengte	Mongoloid	White
Humerus L	24.50	148.85	148.91
Humerus R	24.50	148.85	148.91
Ulna R	20.0	147.05	
Radius R	17.50	143.95	
Femur L	36.50	151.05	
Tibia L	31.0	155.54	

Ras, Sexualizatie, Lengte, Leeftijd en Pathologie zoveel mogelijk proberen uit te werken in tabellen indien mogelijk of belangrijk

Spoor	Primair/ Secundair	Oriëntatie Hoofd – Benen	Positie handen	Kuil/ Kist	Sexe	Leeftijd (jaren)	Lengte	Pathologie
F1 A	Primair	W-O	Over elkaar op pelvis ??	Kuil	- (F)	7-9 (15±3)	- ± 130cm	- Dentition slecht
F1 B	Primair?	W-O?		Kuil	-	1-2	-	-
F6	Primair	W-O	Over elkaar op pelvis	Kuil	- (M)	2-3 6 ± 2	- ± 120cm	- Groeven M2
F7	Primair	W-O	Over elkaar op rechterpelvis	Kuil	F	46+ 35-45	153	Calculus, caries, ante-mortem tooth loss, Supernumerary tooth
F8	Primair?	?	??	Kuil?	??	??	??	??
F9	Primair	W-O	Over elkaar op pelvis	Kuil	?M	36-45	171.9	-
F11	Primair?	W-O	??	Kuil	??	??	??	??
F13 A	Secundair	n.v.t.	n.v.t.	Kuil – Oorspronkelijk 1 of meer in kist?	?M F	16-18 <18 26-35 foetus	- - 155.9 -	- - Caries -
F14	-	-	-	-	-	-	-	-
F15 A	Primair	W-O	F15 Armen over	Kuil	F	26-35	?	Calculus
F15 B	Primair	W-O	abdomen (A+B n.v.t.)	Kuil	?	1-2 4-5	?	-
F19	Primair	W-O	Armen op borst (met handen gevouwen?)	Kuil	F	35+	±145	????
F20	Primair	W-O	Sleeping posture; hands under left cheek	Kuil	?F	46+	- 148	-
F21	Primair	W-O	Arms by sides	Kist	F (?)	16-18	-	Caries, calculus (1 crowded tooth)
F22	Primair	W-O	???	Kuil	?	4-5	-	-
F24	Primair	W-O	Arms by sides	Kuil	?	9 maanden ± 4 maanden	-	???

Tabel relatie graven: primair/secundair, oriëntatie, positie handen, kuil/kist, leeftijd, lengte en pathologie

- N.b. alle individuen in primaire begravingen zijn in extended positie begraven
- ❑ Bij F13 cervicale wervel (vertebra) is gedacht aan scoliosis (of arthritis) (processus spinosus lijkt een klein beetje te draaien/gebogen)
- Bij F13 zijn ook lengtes berekend van 147 en 159 cm (RD)
- Toegevoegd moet nog worden: grafgiften/grafgoederen + of kistbegraving betreft

3. Field Campaign 2012

- ❖ Community & Public Archaeology: national & international attention



3. Field Campaign 2012

- ❑ Team Collections and Investigation Department NAMA, occasional professionals & volunteers
- ❑ Engagement owner of terrain notary mr. Marion Tromp and employees



3. Field Campaign 2012

- ❑ Much attention from other professionals & sportsmen (local and international)



3. Field Campaign 2012

- ❑ Free help from business community:
Franklyn Bareño



3. Field Campaign 2012

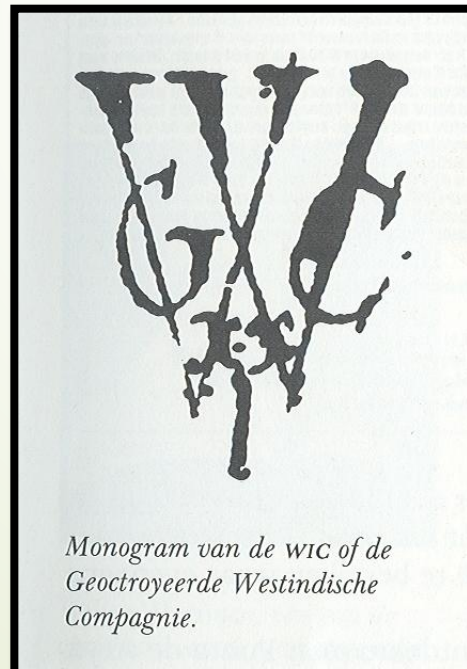
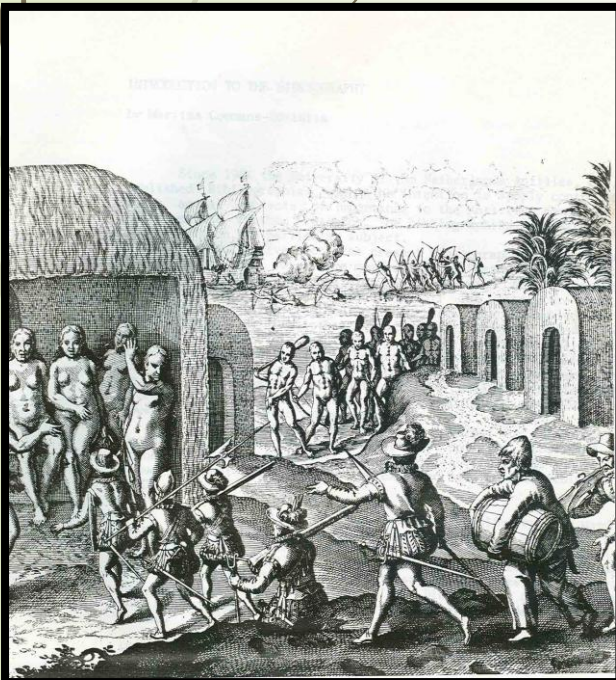
➤ c. International cooperation

- ❖ Vici – Communicating Communities (2008 – 2013)
- ❖ Laboratory analyses
- ❖ Data analyses (descriptive)
- ❖ Initial results (superficial)
- ❖ Interpretations: new historic data & rewriting Aruban history



Lijst Bot Monsters Sites Aruba ivm C-14 Dateringen (2010)

Site	Periode
Daimari	Preceramisch
Boca Urirama	Preceramisch
Sabaneta 237	Ceramisch
Boca Druif	Historisch
Santa Cruz 35	Historisch



Monogram van de WIC of de
Geotroyeerde Westindische
Compagnie.

Ik heb een aantal uitkomsten:

- 1) Sabaneta 237; dit sample bevatte te weinig collageen van voldoende kwaliteit voor een AMS datering, uitkomst was 103% dwz. rond 1950. Dit komt door het weinige en slechte collageen.
- 2) Druif 1; 215 +/- 30, afhankelijk van het gekozen % marien dieet wordt dat gecalibreerd ergens rond calAD 1830
- 3) Santa Cruz 35; 310 +/- 35, afhankelijk van het gekozen % marien dieet wordt dat gecalibreerd ergens tussen calAD 1620 en 1810
- 4) Boca Urirama; 1385 +/- 35, afhankelijk van het gekozen % marien dieet wordt dat gecalibreerd ergens rond calAD 600
- 5) Daimari; 1430 +/- 35, afhankelijk van het gekozen % marien dieet wordt dat gecalibreerd ergens rond calAD 600

Radio carbon date

- Burial F1 (Unknown) 310± 35 BP between 1620-1810

3. Field Campaign 2012

- d. Diffusion of information – impact Aruban & international community
- ❖ Press releases & press conferences



3. Field Campaign 2012



- ❖ Publications
- ❖ Video's



3. Field Campaign 2012



- ❖ Networking
- ❖ Community & Public Archaeology

Right off a bustling thoroughfare, in the midst of a quiet residential area of Santa Cruz, is one of the most important archaeological finds in the history of Aruba. On March 4, 2001, when digging a foundation for a house in Santa Cruz, a worker found bones that were first believed to belong to a dog. Fortunately, the owner of the land decided to bring them to the attention of the Museo Arqueológico Aruba (MAA). This led to the discovery of a burial site under the foundation which measures about 500 square feet, where 34 graves have been identified. The actual size of the site that likely extends well beyond this area remains unknown.

Raymundo Dijkhoff, superior of the dig and head of the Scientific Department of the Archeological Museum of Aruba, sheds light on this amazing discovery. "We have no idea of the extent of the cemetery because there are buildings all around it. It is clear that its existence was unknown when the building took place. This discovery illustrates the different periods of Amerindian habitation, everything we find here is new to us. This period of contact between Europeans and Amerindians

is not well documented in the Americas, making it especially exciting."

"We are now revisiting the site because the owner is planning on building in the short term and we have our team together at this time. We are like detectives of the past, following a multi-disciplinary approach involving experts such as historians, forensic anthropologists, geologists and biologists and gradually unraveling these mysteries. Over the course of time, there are so many factors to take into consideration that can affect our findings. We rely on science, experience, knowledge, physical evidence and the laws of probability to try to arrive at the most feasible explanations. We work in conjunction with the Malta Treaty dealing with the preservation of our cultural heritage; we must leave all artifacts in situ as long as they are not threatened with destruction, which is the case of this site. But we have to work fast because once the bones oxidize, they disintegrate rapidly."

"We know of cemeteries that date back to the 1840s and 1850s but here we have an

Amerindian cemetery. We find an important mix between European artifacts and cultural influences combined with Amerindian culture. Grave gifts are of European and Amerindian origin and may have been used over a period of 300 years (1500-1800). We found more than 2000 glass beads dating back to 1700 and gold rings probably used in trade with Colombia. The first Spanish olive jar discovered on land, dated at 1580-1780 A.D., was also found here. There are shell and stone tools as well. Some of these artifacts are now on display at the Archeology Museum Aruba."

"This is also the first time we have found traces of wooden coffins. All these graves were primary burials which is to be expected from the Historic Period (Catholicism), but we have found at least two graves with evidence of secondary burials, meaning that they were buried elsewhere first. All the individuals were buried in a West-East (head-legs) direction, while differences can be found in the variation of the positions of the hands of the deceased, which must be part of Catholic symbolism."

Pagina 8

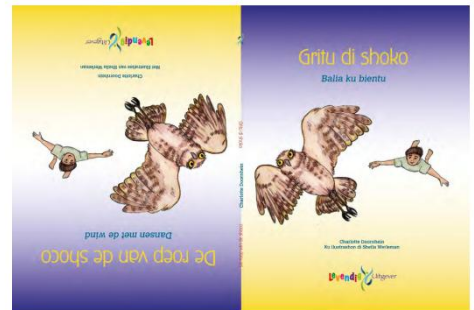
SOLO

Diahuebs, Januari 19, 2012

Excavacion arqueologico na Santa Cruz Bishita Museo Arqueologico riba Dia di Betico pa mira e hayazgonan



mira hayazgonan mas recien, como tambe otro hayazgonan di 11 aña pasa, manera kraalchinan, craneo y partinan di skelet den laboratorio di Departamento Cientifico, un area cu solamente pa



Pakete di lès / Lespakket

levendij Clitgever

Charlotte Doornhein

taal: unie

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Budget

Starting discoveries at Santa Cruz dig create questions about Aruba's history

Gingrich all but quits presidential campaign



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3. Field Campaign 2012

- ❖ Future plans
- ❖ Ongoing change of terrains efforts

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US confirms heavy duties on Chinese solar cells

WASHINGTON (AFP) - The United States confirmed yesterday hefty anti-dumping and anti-subsidy duties on Chinese solar cell makers that have added to trade tensions between the two economic powers.

The Commerce Department issued a final confirmation of its May finding that Chinese producers and exporters had been selling solar cells into the United States at artificially low prices, and put the anti-dumping duties at between 16 percent and 250 percent.

It meanwhile put countervailing duty levels, originally set in March to offset China's subsidies, at 15-16 percent, mainly to counter an "export buyer's credit" from the Chinese government.

It named Suntech Power, and Trina Solar, as key offenders, but said at least 60 other Chinese companies would also be hit with anti-dumping charges.

The Department ordered the collection of cash deposits on imported solar equipment from the Chinese companies, crucially dating back to 90 days before the preliminary anti-dumping duty ruling in May.

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Santa Cruz dig to continue with an additional 3 year grant

Chief Archaeologist of the National Archaeological Museum Aruba, NAMA, welcomed media to his team's workshops for additional revelations about the Santa Cruz dig, which is providing a wealth of information.

The unmarked burial site was discovered by accident when property owners began bulldozing to build a parking lot in 2001. To date it has 36 graves without any sort of marker or tombstone of any kind. 18 have been excavated and their remains are now at the NAMA labs. Both male



The Scientific team of NAMA

The land was reserved as grazing areas for cattle and there is no record of nearby settlements. Such a collection of graves would indicate the existence of a house of worship adjacent.

Raymundo Dijkhoff speculates the mixture of burial techniques and artifacts found would indicate internment at the time when missionaries were just beginning to convert the aboriginal population to Christianity. Though having converted, the Amerindians still observed some of their older native traditions during the burial practice. The adoption of the new faith was not yet fully integrated into the native society.

Continued on page 2

Amerindian skull recovered from the dig

and female remains have been found, from what they estimate to be a 9 month old infant to elderly.

The dig site presented a true puzzle, as graves indicated a mix of burial techniques, from Christian burial to Amerindian traditions, complete with grave gifts. One particularly interesting find was a gold ring inset with nine emeralds, which is now on display in the museum.

All remains found were Amerindian, of two types. The Caquetio of the Ceramic Period 900-1000-1515 A.D. and a colonial period from 1515 to 1800 A.D. The site appears to have been used as a graveyard during two periods in the island history, one layered over the other.

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PAGINA 18

DIARIO

DIARUEBS 11 OCTOBER 2012

Den futuro lo por haci mas excavacion arqueologico importante



ORANJESTAD (AAN) - Durante un conferencia di prensa na Museo Arqueologico, prensa a partera jefe di departamento científico di Museo Arqueologico Raymundo Dijkhoff, si banda di e excavacionnan haci relaciona cu e hayazgo historico na Santa Cruz, ta bay tin mas excavacionnan ta bay tumar lugar den futuro.

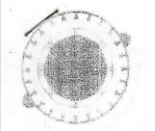
Eskel mirando e artefactonan interesante haya, huntu cu e skel den e grafian. Segun Dijkhoff, hopi parti na Aruba falta pa worde investiga ainda y tur caminda tin rastronan di gen.

Pues sigurmente den futuro hopi artefacto ta bay worde haya den futuro.

Kico ta "Amigga" y di con cu dos g?

ORANJESTAD (AAN) - Ya pa algun siman caba den nos comunidad nos por scucha y mira e xomber amigga, kico e ta y di conmanan, elabonacion di futuro cu e...

Sunday 10:00 - 2:00



B.I.D.
Minister van Toerisme, Transport,
Primaire Sector en Cultuur

Ing: 15 AUG 2014

Dhr. Oltmar Enrique Oduber

Volg-No.:

13 augustus 2014

Aan de Directeur
Directie Infrastructuur en Planning
d t k v.
Minister van Toerisme, Transport, Primaire Sector
en Cultuur,
Dhr. O. Oduber
Alhier

MAA - 122 /14

Onderwerp: rappel verzoek behoud archeologische vindplaats Santa Cruz 35


Op 28 mei 2013 stuurde het Archeologisch Museum Aruba (AMA) U een verzoek om de nodige voorzieningen te treffen ter behoud van het archeologisch terrein te Santa Cruz 35 (zie bijlage).

Na dit verzoek zijn er verschillende vergaderingen tussen uw Directie, vertegenwoordigers van het AMA en de eigenaar van genoemd terrein geweest. Tot heden hebben deze besprekingen en verschillende rappel e-mail berichten niet geleid tot het daadwerkelijk veilig stellen van het terrein.

In de tussentijd is het AMA bezig met een samenwerkingsprotocol met de Universiteit van Leiden en het project 'Nexus 1492' om het materiaal afkomstig uit de wetenschappelijke opgravingen op dit terrein te onderzoeken, te documenteren en de resultaten hiervan te publiceren. Deze protocol zal naar verwachting in Oktober 2014 getekend worden. Zoals bij U bekend is slechts een deel van het terrein opgegraven en ligt een meerderheid van vondsten en informatie nog *in situ*. Omdat het om een begraafplaats gaat is het van belang dat het als archeologisch terrein behouden wordt.

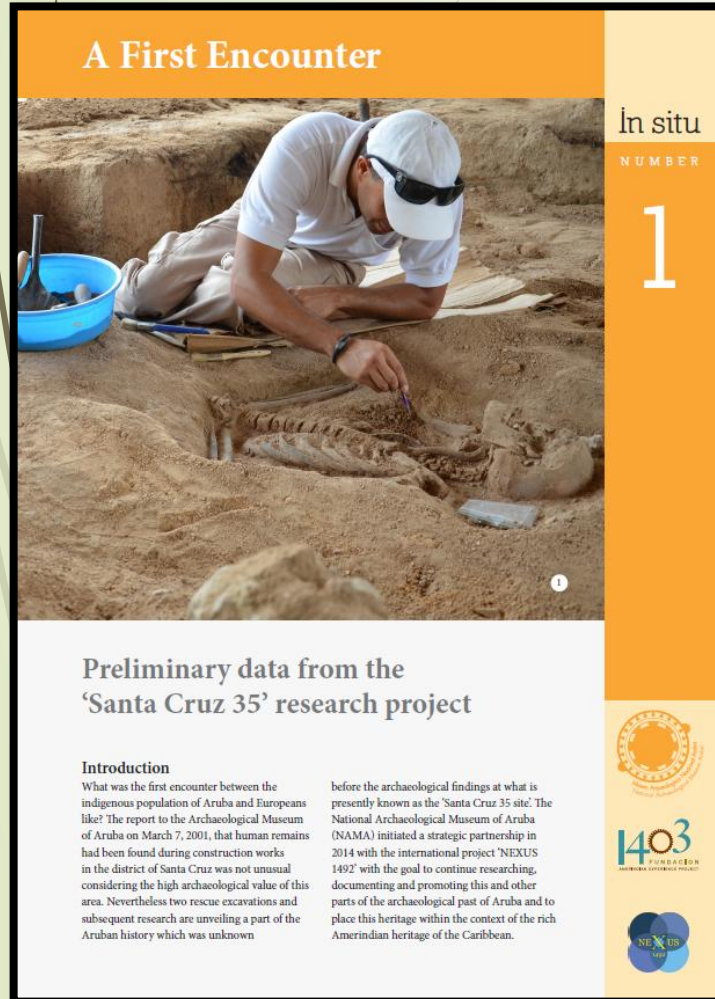
Rekeninghoudend met deze ontwikkelingen verzoekt het AMA U vriendelijk doch dringend om datgene wat noodzakelijk is om het terrein Santa Cruz 35 te behouden zo snel mogelijk te bewerkstelligen.

Met vriendelijke groet,


mr. Arminda Franken - Ruiz
Ambtenaar belast met de leiding

cc: Minister van Infrastructuur

4. Field Campaign 2016

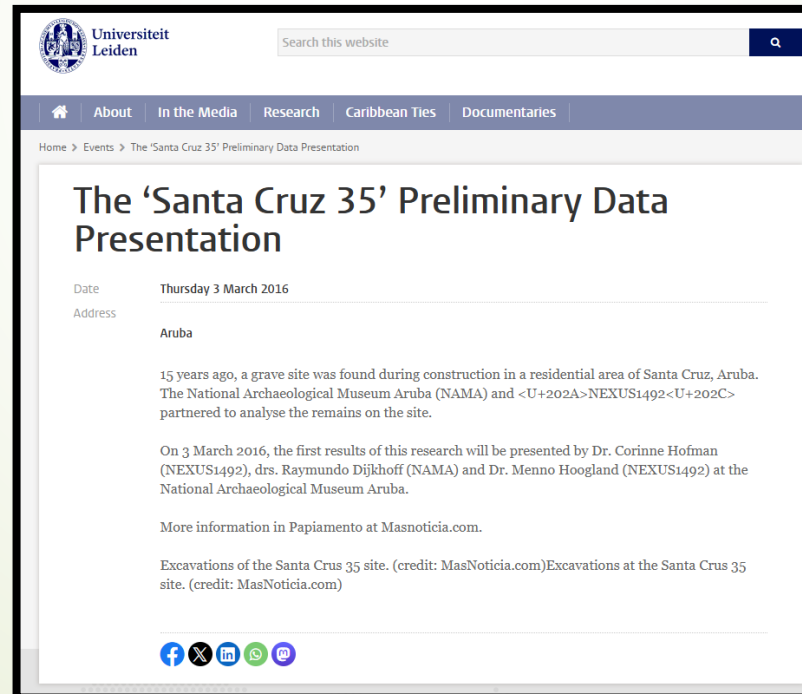


➤ a. Lectures NAMA & Nexus 1492

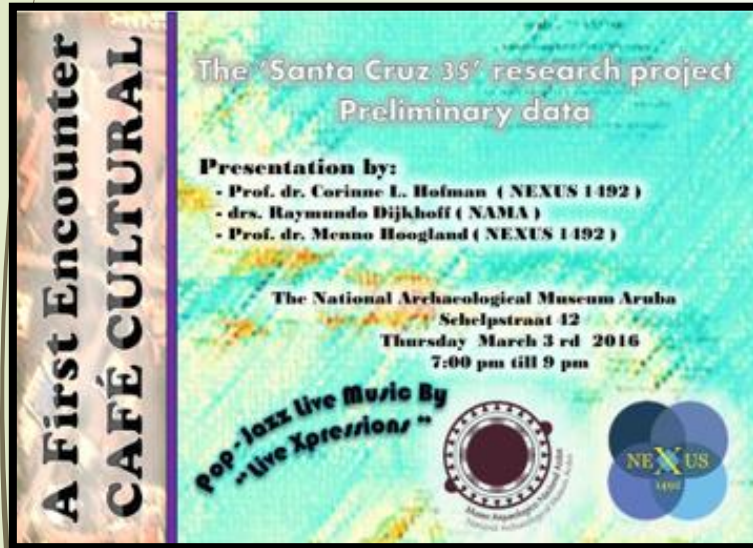
☐ March 3, 2016

❖ In Situ: A First Encounter

❖ Public presentations data & analyses




4. Field Campaign 2016




- ❖ Public presentations Sta. Cruz 35:
“Preliminary Data & Analyses



NEXUS1492
New World Encounters in a
Globalizing World



Prof. dr. Corinne L. Hofman NAMA , March 3, 2016




Universiteit Leiden The Netherlands VU VRIJE UNIVERSITEIT AMSTERDAM Universität Konstanz

NEXUS 1492

NEXUS1492
Funerary archaeology and
oste archaeology of the
Santa Cruz 35 cemetery

Prof. dr. Menno L.P. Hoogland NAMA, March 2016



Universiteit Leiden The Netherlands VU VRIJE UNIVERSITEIT AMSTERDAM Universität Konstanz

NEXUS 1492

4. Field Campaign 2016

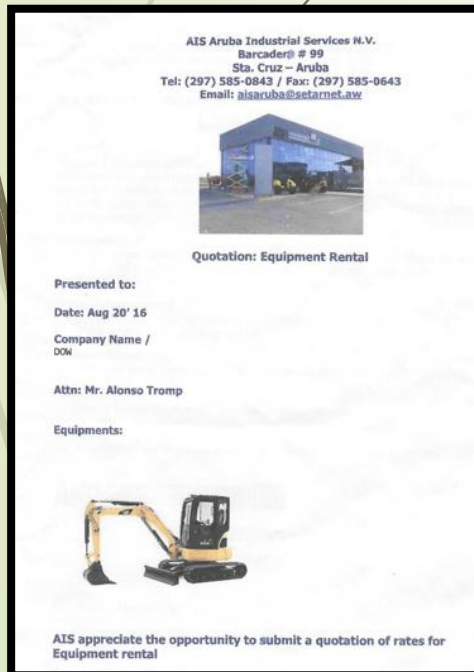
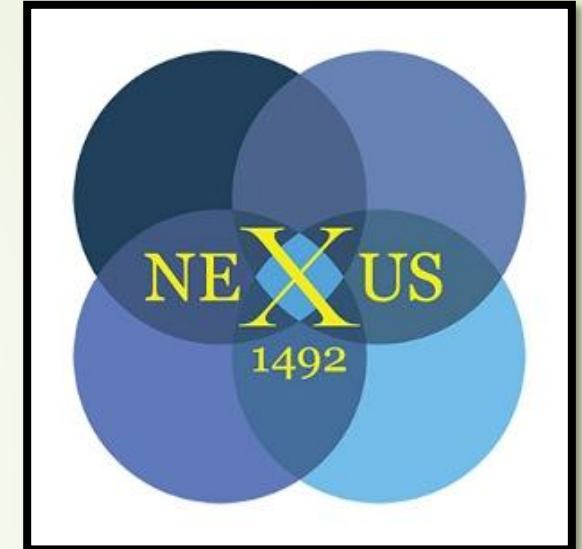
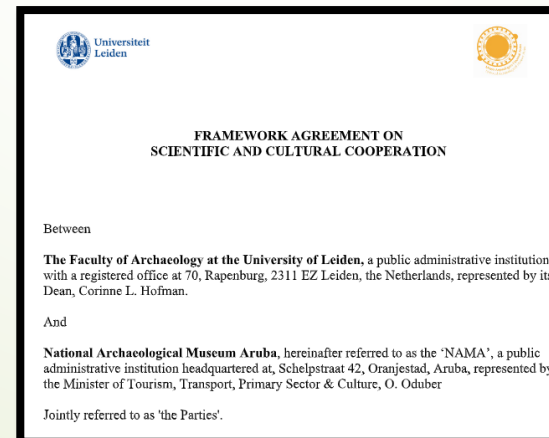
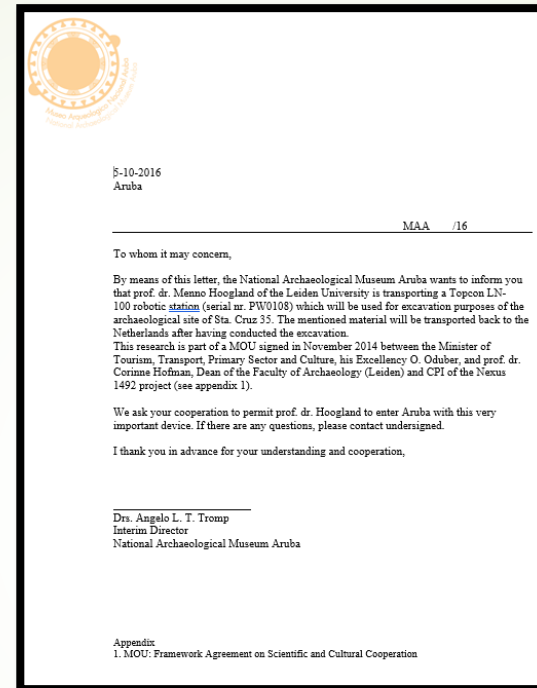
- ❖ Unique spatial set-up
- ❖ Record spectators NAMA lecture(s)



4. Field Campaign 2016

➤ b. Workplan

- ❖ Logistics
- ❖ National & international cooperation
- ❖ Nexus 1492 (2013 – 2019)
- ❖ Fundacion 1403



4. Field Campaign 2016

- ❖ Strategy & methodology
- ❖ State of the art documentation
- ❖ Campaign crew

☐ Reason salvage excavation (negotiations trade of terrains ongoing)

- Determine the dimensions of the cemetery Sta. Cruz 35
- If possible, 3D documentation in situ
- Experience and update excavation strategies and documentation techniques

☐ Field campaign period: 24-28 October 2016

☐ Strategy

- Trenches (max. 40 cm) with “excavator”
- Then plane and locate traces
- Nothing is dug out
- The use of a metal detector and a “Topcon LN-100 robotic station”

☐ Extra

- Live recordings staff from Brenchie's Lab to be broadcasted
- “Drone” recordings were also made
- Most importantly: collaboration with the NEXUS 1492 project



4. Field Campaign 2016

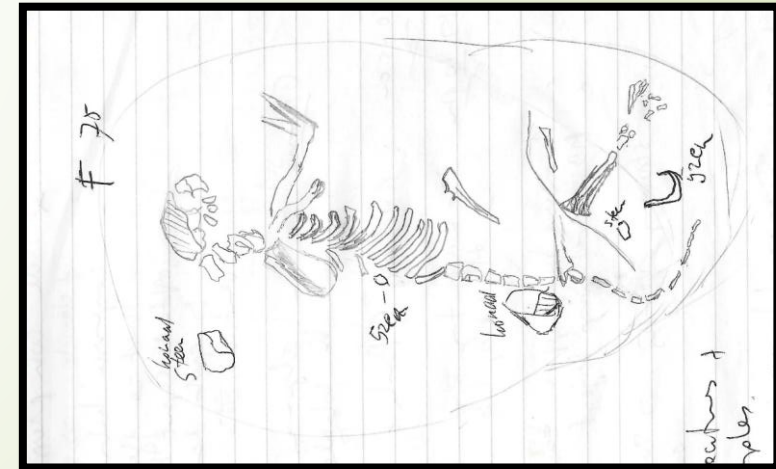
- c. The excavation
- ☐ 24 – 28 October
- ❖ Trenches
- ❖ Manual planing & locate features
- ❖ 3D documentation in situ



4. Field Campaign 2016

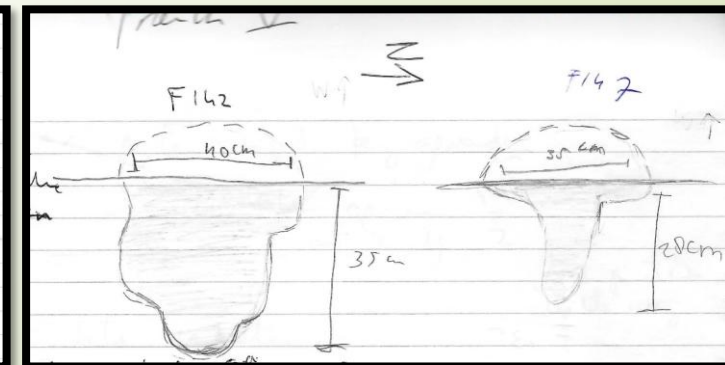
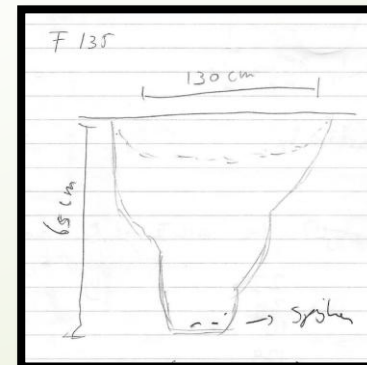
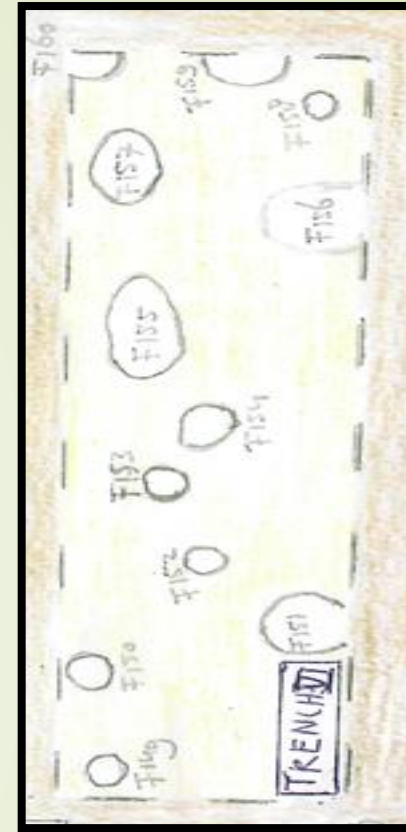
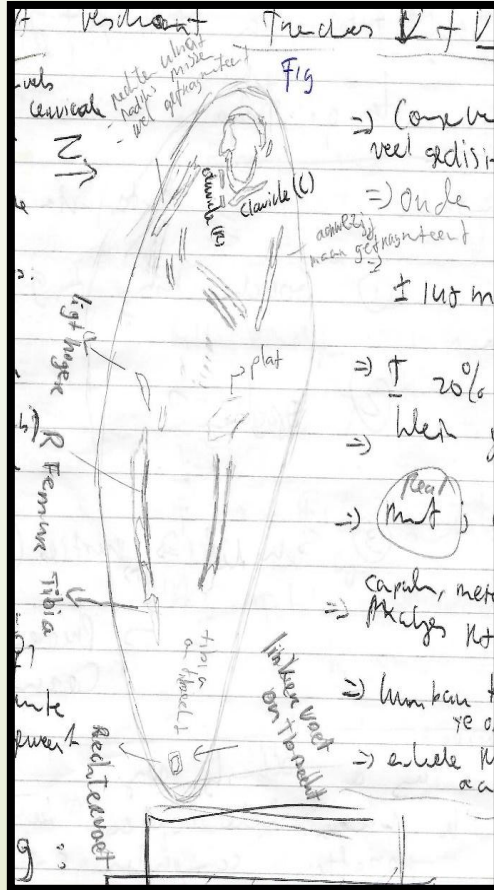


- ❖ Opening complete pits
- ❖ The features: diversity



4. Field Campaign 2016

- ❖ More European traces
- ❖ Caquetio precontact and/or colonial influences

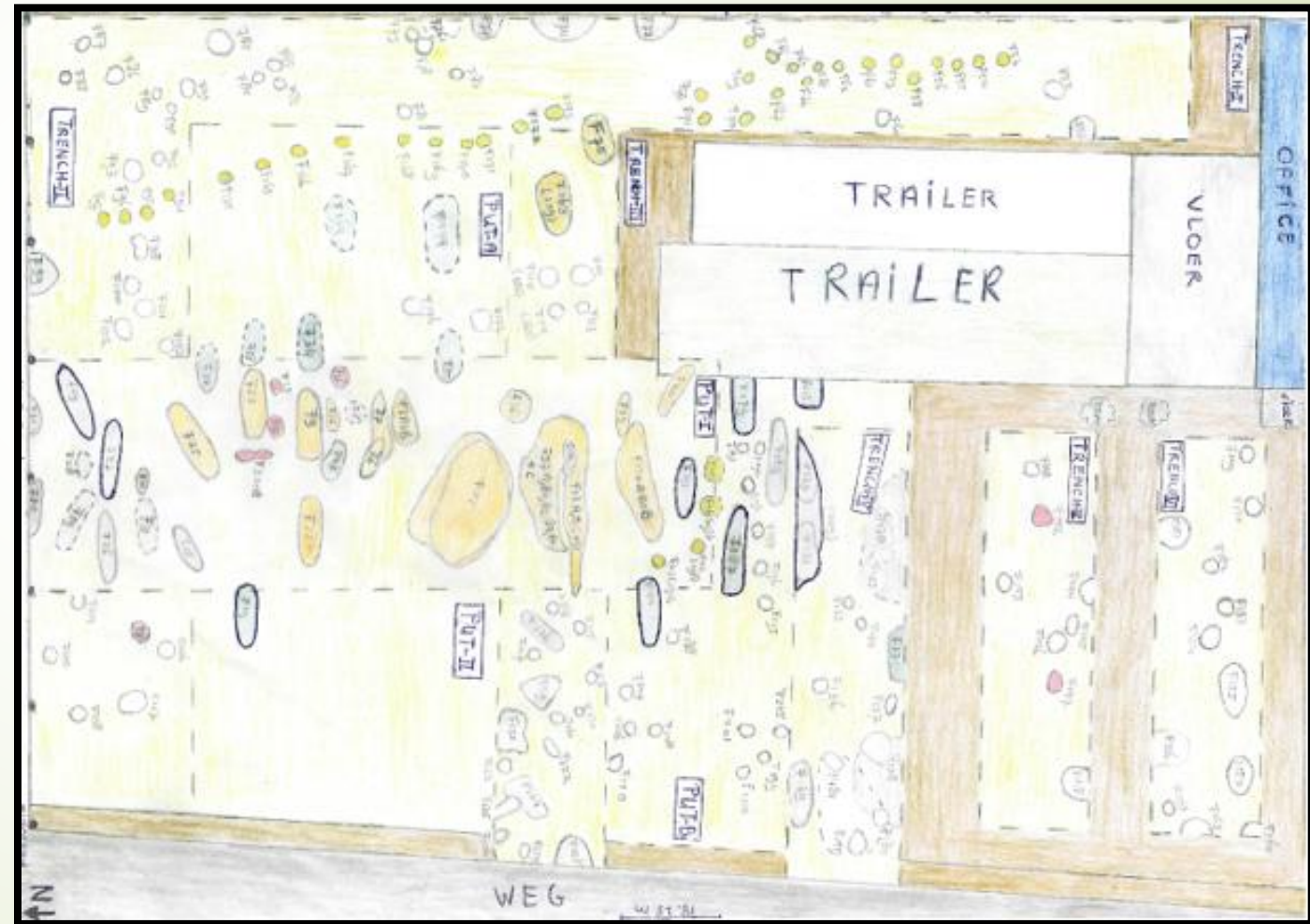


4. Field Campaign 2016

- ❖ Extra: streaming
- ❖ Overview dimensions & spatial organization cemetery

Legenda puttekening complete Site Santa Cruz 35 (2001, 2012 en 2016)*

Donker bruin:	bovengrond – niet opgegraven
Geel:	loopvlak – opgegraven/geschaafd
Oranje:	opgegraven/geexhumeerde graven (excl. 75, F163/109 en F19)
Licht blauw:	achtergelaten (mogelijke) graven
Roze:	“verdwenen” graven
Donker geel:	mogelijke paalgaten
Grijs:	niet paalgat of graf (+ weg en vloeren)
Rood:	opgegraven paalgaten
Wit:	onbekend (+ trailer)
Groen:	boom (+ trailer)
Donker blauw:	kantoor
-----:	onzeker



4. Field Campaign 2016



Santa Cruz 35: Data Totals

☐ The three campaigns altogether yielded a total of:

- 212 features, including 8 postholes, human burials (ca. 50: minimal 4 coffin burials), of which 22 were excavated representing 28 individuals, and 2 dog burials

☐ The collected material culture is of a European and an Indigenous origin and consists of:

- 3 Spanish *reales*
- A Spanish olive jar (1580-1780 CE)
- 2 golden rings (one inlaid with 9 emeralds dated ca. 1715 CE; Peruvian gold, Colombian emeralds and manufactured in Mexico)
- 2 earrings (probably made of copper, quartz, crystal and glass)
- A necklace and bracelet made up of ca. 2000 European glass beads (black, white and red)
- Coffin wood and iron nails
- A possible transcultural or *colono ware* anthropomorphic *adorno*
- Indigenous ceramic, stone and shell artefacts
- Pieces of concrete bricks uncertain to be part of the cemetery

4. Field Campaign 2016

SKELET DI CACHO ENTRE 200 PA 400 AÑA BIEU: UN DESCUBRIMIENTO HISTORICO

October 26, 2016

419



Un cacho dera cu diferente artefacto acerca ta marca como un descubrimiento historico, asina arkeologo Raymundo Dijkhoff ta declara.

➤ d. Diffusion of information

❖ Publications

❖ Community & public archaeology

Research carried out at Santa Cruz 35, brought forth new evidence that identified this site as a singular Historic period graveyard with a mortuary practice heavily influenced by European culture.



CONSENT TO PUBLISH FORM - EDITED BOOK

An agreement made this Thursday, 26 November 2020, by and between

Name: Raymundo A.C.F. Dijkhoff

Address: Schelpstraat 42 (National Archaeological Museum Aruba)

hereinafter referred to as "the Contributor" (if more than one author, "the Contributors") shall be read as "the Contributor", and

Koninklijke Brill NV, P.O. Box 9000, 2300 PA Leiden, The Netherlands,

hereinafter referred to as "the Publisher".

WHEREAS

- the Publisher is a publisher of academic works;
- the Publisher wishes to publish an edited work under the editorship of Gertjan L. Hofman, Jorge Ulloa Hung, Gareth B. Davies, and Ullrich Brandes, hereinafter referred to as "the Editors", and provisionally entitled: *New World Encounters in a Globalizing World*, hereinafter referred to as "the Work";
- the Contributor wishes to contribute to the above-mentioned Work an article provisionally entitled: *Santa Cruz 35, Aruba - Archaeological heritage under threat: rescue excavations at the core of Nexus 1492*.

as directed by the Editors;

WHEREBY in consideration of the mutual covenants and obligations herein contained, the Parties hereto agree as follows:

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Forthcoming

Changing Indigenous Life- and Deathways: Changes in the Wake of Colonial Incursions into the Northern and Southern Caribbean. In *Timeless Caribbean Engagements: Transdisciplinary and Transcultural Dynamics of Diverse Worlds*, edited by C.L. Hofman, J. Ulloa Hung, U. Brandes and G.R. Davies. Sidestone Press, Leiden.



4. Field Campaign 2016

e. Rewriting history

- ❖ New analyses: rewriting regional, continental and world history



27-11-2014
Aruba

MAA 189 /14

To whom it may concern,

By means of this letter, the National Archaeological Museum Aruba gives ~~ms.~~ Prof. dr. Corinne Hofman the authority to transport archaeological material from the Sta. Cruz 35 site of Aruba to the Netherlands via Curaçao. The transported material includes indigenous bone and teeth material from this site.

Thank you very much for your understanding and cooperation,

Drs. Raymundo A.C.F. Dijkhoff
~~Ambtenaar belast met de leiding (a.i.)~~
National Archaeological Museum Aruba

Radio-carbon dates

- Burial F1 (Unknown) 310± 35 BP between 1620-1810
- Burial F21 (Mestizo) 200± 30 BP between 1650-1685 or between 1730-1810
- Burial F37A (Mestizo) 220 ± 30 BP between 1645-1680 or between 1735-1800



Preliminary Report on multiple isotope analysis of archaeological remains from Santa Cruz, Aruba

UNIVERSITEIT LEIDEN

March 1, 2016
Jason E. Laffoon, PhD

Human Skeletal Report

Santa Cruz 35, Aruba

Darlene Weston, PhD

Dept of Anthropology

The University of British Columbia

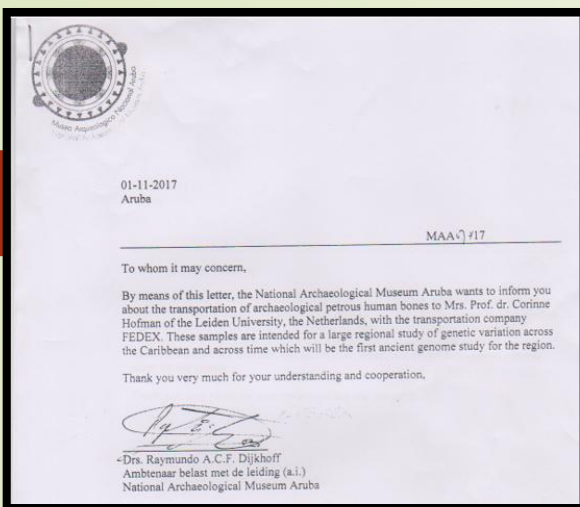
May 2017

Samples of human bone and teeth, from Santa Cruz 35, Aruba

Site	Context	Feature	bone	bone weight	Oct. 2014 teeth
1 Santa Cruz 35	burial	F1			1.7
2 Santa Cruz 35	burial	F1	fragm femur	10	
3 Santa Cruz 35	burial	F6			3.6
4 Santa Cruz 35	burial	F9	fragm mandible	20.2	
5 Santa Cruz 35	burial	F9			3.5, 3.6, 3.7, 3.8
6 Santa Cruz 35	burial	F13	fragm rib	9.5	
7 Santa Cruz 35	burial	F15	fragm rib	10	
8 Santa Cruz 35	burial	F15	fragm vertebra	24.2	
9 Santa Cruz 35	burial	F15			4.7
10 Santa Cruz 35	burial	F21	fragm rib	33.8	
11 Santa Cruz 35	burial	F21			sampled 1.6, 4.8
12 Santa Cruz 35	burial	F21	phalanges hand	9.7	
13 Santa Cruz 35	burial	F25	fragm rib	11.5	
14 Santa Cruz 35	burial	F37A	fragm rib	27.2	
15 Santa Cruz 35	burial	F37B	fragm rib	31.1	
16 Santa Cruz 35	burial	F40	fragm clavicle r, fragm rib	11.4	

4. Field Campaign 2016

- ❖ Failed change of terrain efforts (once more)
- ❖ Future of site (awareness & preservation) and investigations (PhD)



Report on DNA preservation in ancient individuals from various sites on Aruba (2021)

Katrin Nägele

Site descriptions. A total of 10 sites on Aruba (Figure 1) were sampled to investigate the genetic profile and relation of its Archaic and Ceramic Age inhabitants, understand possible origins of migrations at the transition of the ages, and consolidate archaeological evidence for a connection of Archaic Age communities in Aruba and Cuba.

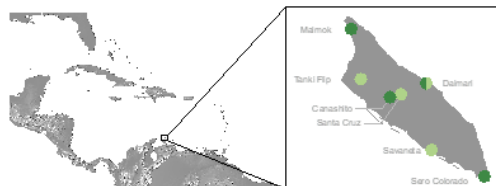


Figure 1: Location of Aruba within the Caribbean and sites on Aruba included in the study. Dark green circles indicate Archaic Age sites, light green circles indicate sites associated with a Ceramic Age context.

Archaic Age sites

Canasibito (2 samples)

Canasibito is an inland site situated on a limestone outcrop, including a burial site, two sites with large shell content and two rockart sites, of which one has been destroyed (1). One individual is dated to 2210 ± 99 BP (2). Out of the five burials in the site, four form a cluster around a male individual (2), while the fifth was buried in a limestone rock-shelter. Individuals were buried in flexed position. The skull shape is described as narrow and high, incisors show shovel shaped wear. Food consumption analysis suggests crop cultivation (3). Dietary isotopes show a terrestrial diet (4), strontium isotopic analysis suggests at least one individual (B3) to be non-local, with an origin in the north-central coast of Venezuela (4, 5).

Maimok (3 samples)

Maimok is a burial ground situated on a limestone formation adjacent to a shell midden, covered with sandy soil, about 200-300 m from the sea. C14 dates of four skeletons are dating the site to $1620 - 515$ cal BP (6), marine reservoir correction in (7). Based on dates retrieved from shells, the cemetery and shell midden are not contemporaneous. At least 70 burials have been identified, and 60 excavated (8). Individuals were buried in clusters, suggestively with a male individual at the center. Burial positions vary between crouched position on the right or left side and supine position. Graves were marked with a limestone rock and contained varying grave goods, some adult graves were supposedly covered with turtle carapaces (9). At least 19 individuals showed signs of red dye on the top or back of the skull. The skull shape of the individuals buried is narrower and higher compared to Ceramic Age individuals from this site. Incisors were shovel shaped in male and female individuals (2). Food consumption analysis suggests crop cultivation (3) and substantial



Wisdom of the First Teeth

Dental analysis into the changing dietary patterns of the Archaic, Ceramic, and Historical populations of Aruba

Gendra Laclé



Cover photo: Photograph taken by Gendra Laclé

ARCHI-TECH
Sero Pita 32-B
Tel/Fax : 5830264
ARUBA



TAXATIE-RAPPORT

Kantoorpand

SANTA CRUZ nr. 35

SOMARI PROPERTIES N.V.

ATAX

27 februari 2014

4. Field Campaign 2016

❖ Santa Cruz 35: Analyses Totals

- Osteological analysis was performed on the exhumed skeletons and skeletal material
- Taphonomical analysis has been carried out
- Dental analysis was additionally performed on two individuals and four are currently being studied for the relationship between genetic and anthropological analyses
- Analysis of light isotopes (C&N + O) of bone appetite and bone collagen, together with heavy isotopes (Sr + O) of tooth enamel, has also been conducted
- One tooth was used for pathogenic research, but the results are inconclusive
- There are three radio-carbon dates known of Santa Cruz 35 (1620-1810 CE), but more are needed for the cemetery chronology
- One human bone and one shell sample are presently at the Leiden University for radio-carbon dating
- 100 glass beads, the anthropomorphic *adorno*, three *reales*, coffin wood and nails are under analysis at this institute
- One shell fragment (*Alliger gigas*), three human teeth and two bones are at Leiden University for isotopic analysis
- Two dog teeth and one bone fragment are also at this institute for radio-carbon dating and isotopic analysis
- As part of a genome study of the CaribTrails project, of two individuals aDNA extraction was succeeded, while of one individual aDNA may be extracted, whereas one still must be processed
- Within another genome study of the Sapienza and Vienna Universities, aDNA extraction of five more individuals is being tried

The two golden rings, two earrings and a piece of concrete are projected to be analyzed. If necessary, more samples can be added to be analyzed by archeometric techniques and used for biomolecular analysis

5. Next Lectures

➤ a. Santa Cruz 35 Cemetery: Data & Analyses results

- ❖ Description of funerary practices
- ❖ Mortuary behavior
- ❖ Funerary taphonomy
- ❖ Archaeoethnology
- ❖ Osteoarchaeology
- ❖ Analyses results

Skeleton No.	Age	Sex	Ancestry	Trait(s)
6	2-3	-	European	incisors
7	46+	F	European	cranium, incisors
9	36-45	?M	European	cranium
13A	16-18	?M	European	craniometrics, femoral metrics
13C	18+	F	Amerindian	femoral metrics
15	26-35	F	European	incisors, femoral metrics
15B	4-5	-	Amerindian	incisors
20	46+	?F	Amerindian	femoral metrics
21	16-18	?F	European	incisors, femoral metrics (r)
			Amerindian	femoral metrics (l)
23	13-14	?F	European	cranium
25	36-45	M	Amerindian	femoral metrics
37A	16-18	M	European	incisors
			Amerindian	femoral metrics
37B-2	16-18	?F	European	femoral metrics
37C	46+	F	European	cranium, incisors, femoral metrics (r)
			Amerindian	femoral metrics (l)

Position of Skeletal Remains as a Key to Understanding Mortuary Behavior

5

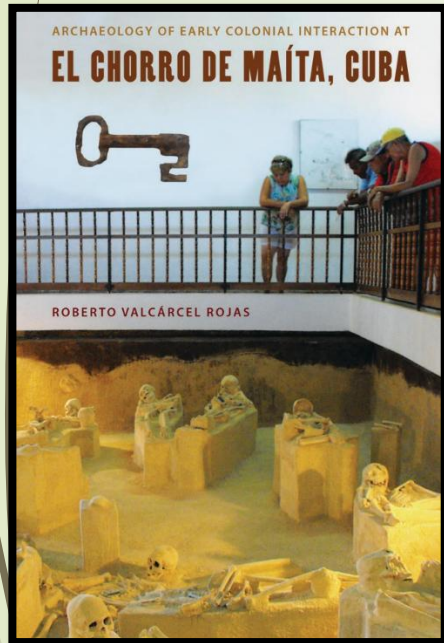
MIRJANA ROKSANDIC

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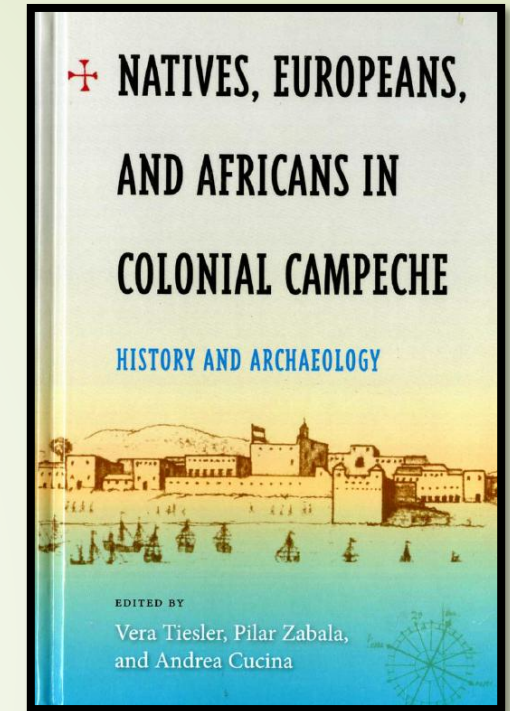
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ID	elem.	$^{87}\text{Sr}/^{86}\text{Sr}$	$\delta^{13}\text{C}_{\text{en}}$	$\delta^{18}\text{O}_\text{e}$	type	elem.	$\delta^{13}\text{C}_{\text{co}}$	$\delta^{15}\text{N}_\text{o}$	$\delta^{13}\text{C}_{\text{ap}}$	$\delta^{18}\text{O}_\text{a}$
F1	1.7	0.70808 5	-7.7	-2.9	bone	rib	—	—	-7.5	-3.9
F6	3.6	0.70819 4	-5.4	-2.0	—	—	—	—	—	—
F9	3.6	0.70829 7	-7.0	-3.2	bone	rib	—	—	-7.2	-4.7
F15	4.7	0.70848 6	-5.4	-2.8	bone	rib	—	—	-7.1	-5.7
F21	1.6	0.70841 0	-7.0	-3.9	bone	rib	-12.7	13.5	-7.1	-4.7
F37A	—	—	—	—	bone	rib	-12.2	13.1	-7.1	-6.4
F37B	—	—	—	—	bone	rib	-12.0	15.3	-5.6	-5.7
F40	—	—	—	—	bone	lbf	-10.8	14.5	-7.3	-4.6

5. Next Lectures



- b. Santa Cruz 35 Cemetery in national & international contexts (archaeological & historical)
- ❖ Implications for Aruban historiography
- ❖ Historic Archaeology
- ❖ Singularity Santa Cruz 35 Cemetery in regional & continental context



Home Is the Sailor

Investigating the Origins of the Inhabitants of La Isabela, the First European Settlement in the New World

T. Douglas Price, Vera Tiesler, Pilar Zabala, Alfredo Coppa, Carolyn Freiwald, Hannes Schroeder, and Andrea Cucina

This study focuses on the origins and diet of the seafarers on Columbus's second voyage, individuals whose mortal remains were buried in the churchyard of the settlement of La Isabela. This was the very first European town in the Americas, founded by Columbus in the present-day Dominican Republic in early January 1494. Historical sources indicate that most of the crew came from the region of Andalusia, while the remainder came from a range of other geographical locations. It is also likely that some individuals had been born elsewhere and migrated to Spain before embarking on their transatlantic voyage. However, their precise origins remain unknown. In this study, we use both osteological analysis and isotopes—both light (C, N, and O) and heavy isotopes of strontium in the tooth enamel and bone of 27 individuals from La Isabela—to investigate questions of human provenience and diet. The results of our analyses indicate that while most of the individuals analyzed from the burial series at La Isabela were males from Spain itself, there were several unexpected females and infants, referred to vaguely by the historical sources, in addition to one local native and a person probably from Africa, implying that Africans took part actively in the Spanish venture of settling the New World from the very beginning.

Ancient Mesoamerica, 5 (1994), 55–60
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AMBER AND JET FROM TIPU, BELIZE

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^dColorado State University Regional NMR Facility, Colorado State University, Fort Collins, CO 80523, USA

Abstract

The C-13 nuclear magnetic resonance spectra of amber and jet beads found at Tipu, a Colonial-period Maya site in Belize, Central America, indicate that these materials are of European origin. The two jet beads were found in association with the burial of children in a Christian cemetery, and the single amber bead was in a midden from the early years of Spanish occupation. Both the cemetery and the midden probably date to the late sixteenth century. The amber is clearly of Baltic origin. The jet spectrum is consistent with a Spanish origin.

5. Next Lectures

► c. Santa Cruz 35 Cemetery: the creation of a Site of Conscience

- ❖ Community & Public Archaeology
- ❖ Bottom-up approach
- ❖ Platform for debate & reflection
- ❖ Future plans

Sites of Conscience: Opening Historic Sites for Civic Dialogue

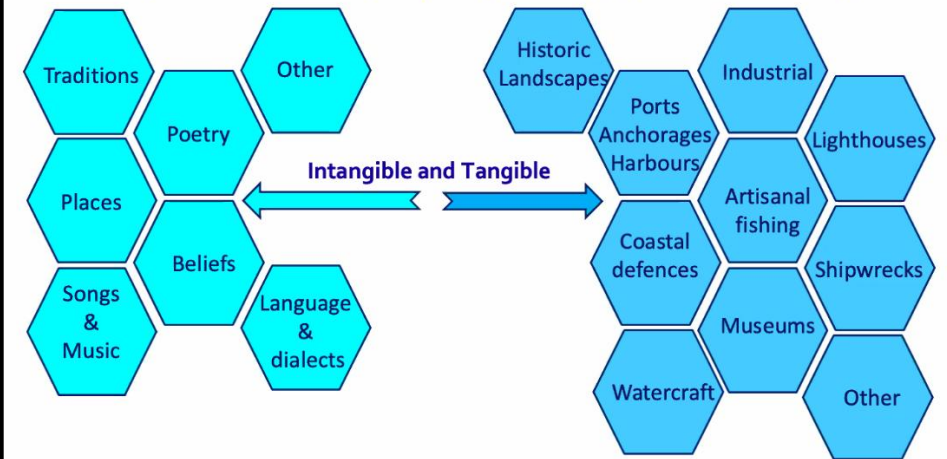
Foreword

LIZ ŠEVČENKO and MAGGIE RUSSELL-CIARDI

Abstract: Sites of Conscience are historic places that foster public dialogue on pressing contemporary issues in historical perspective. This foreword to a collection of essays from members of the International Coalition of Historic Site Museums of Conscience highlights diverse approaches to opening historic sites for civic dialogue. The collection explores the challenges sites around the world face to hosting public conversation on difficult subjects in their different political contexts, and some of the strategies they have used to address those challenges. The foreword reflects on the perspectives international examples provide for U.S. museums that seek to serve as Sites of Conscience.

Key words: Sites of conscience, International Coalition of Historic Site Museums of Conscience, civic dialogue, civic engagement, museums.

The public can (must) help to protect (U)Cultural Heritage



International Coalition of SITES of CONSCIENCE
From past to present, memory to action

What Is a Site of Conscience?
A Site of Conscience is a place of memory – a museum, historic site, memorial or memory initiative – that confronts both the history of what happened there and its contemporary legacies.

Whether remembering an era centuries or decades ago, Sites of Conscience begin by facing all aspects of our history: stories of great cruelty, great courage or everyday life. Then they go a step further, activating the historical perspective with dynamic public dialogue on related issues we face today and what we can do about them.

Sites of Conscience are places that:

- Interpret history through site.
- Engage the public in programs that stimulate dialogue on pressing social issues.
- Share opportunities for public involvement and positive action on the issues raised at the site.
- Promote justice and universal cultures of human rights.

What Is the International Coalition of Sites of Conscience?
The International Coalition of Sites of Conscience is the only worldwide network dedicated to transforming places that preserve the past into spaces that promote civic action.

The Coalition recognizes that the power of sites of memory is not inherent; it must be harnessed as a deliberate tactic in the service of human rights and citizen engagement. **This conscious effort to connect past to present and memory to action is the hallmark of the Sites of Conscience movement.** As a network of more than 300 Sites of Conscience in 65 countries, we engage tens of millions of people every year in using the lessons of history to take action on challenges to democracy and human rights today. Through powerful participatory programs that bring people together across difference, we advocate for every community's right to preserve places where struggles for human rights and democracy have occurred, to talk openly about what happened there, and to harness the strengths of memory, heritage, arts and culture to build ethical societies that envision and shape a more just and humane future.

What Does the Coalition Do?
The Coalition believes that by transforming places of memory into places of civic action, we can help build lasting cultures of peace and universal human rights.

We support Sites of Conscience in creating bold, original and effective programs that connect the history of their communities with critical social and human rights issues in their region today. And by linking these efforts across the world, we are advancing the global movement so "Never Again" can be realized. We do this through:

- Member grants that support the creation or refinement of innovative and scalable Sites of Conscience programs.
- Technical support, such as providing Sites of Conscience program models for creating dialogue across difference.
- Advocacy in support of memory initiatives in peace-building and transitional justice efforts.
- Connecting members around the world to one another through new technologies and networks of Sites of Conscience so they may collaborate, share best practices and advocate for common goals.

www.sitesofconscience.org

International Coalition of SITES of CONSCIENCE

Correcting the Record

A TOOLKIT TO FOSTER MORE INCLUSIVE HISTORICAL NARRATIVES

**Thank you for
your attention!**

Do you have questions?



Acknowledgements

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Trimon

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